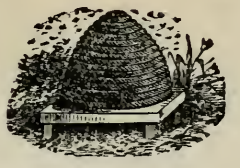
HOLINESS TO THE LORD



BRIGHAM YOUNG UNIVERSITY

COMPRISING

The Church Teachers' College

AND

Church Normal Training School

Catalogue and Announcements

FOR THE

Thirty-fourth Academic Year

1909
1910

Published by
THE BRIGHAM YOUNG UNIVERSITY
Provo City, Utah

UNIVERSITY CALENDAR.

1909.

September 16, 17, 18, Thursday, Friday and Saturday, examination and registration.

September 20, Monday, class work begins.

October 16, Celebration of Founder's day.

November 25, observed by Thanksgiving services.

December 23, Thursday evening, Christmas vacation begins.

1910.

January 3, Monday morning, holiday vacation ends.

January 28, Friday, first semester ends.

January 31, Monday, second semester begins.

February 22, Washington's Birthday. (Special program.)

April 1-11, Spring vacation.

June 3, Friday morning, thirty-fourth annual commencement.

Church School Officers.

GENERAL CHURCH BOARD OF EDUCATION.

JOSEPH F. SMITH,
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CHURCH BOARD OF EXAMINERS.

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SUSA YOUNG GATES.
JOHN HENRY SMITH.
REED SMOOT.
LAFAYETTE HOLBROOK.
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JOSEPH R. MURDOCK. JOHN T. GILES.
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EDWARD CLYDE. NELLIE CLYDE.
M. JOSEPHINE BROADBENT. GEORGE H. BRIMHALL.

JUAB STAKE.

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CHARLES SPERRY. NIELS P. RASMUSSEN.
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EDWIN S. HINCKLEY, D. B., B. S., Second Counselor.
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JOHN E. HAYES, Registrar.
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Principal Normal School.
ANTHONY C. LUND, D. B.,
Head of Music Department.
ELBERT H. EASTMOND, B. Pd.,
Head of Art and Manual Training Department.
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Head of Agricultural Department.
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Head of Sub-High School Department.
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ALFRED OSMOND, A. B.
JAMES L. BARKER, A. B.
WM. F. WARD, B. S., D. B.
RALPH V. CHAMBERLIN, Ph. D.
CHARLES E. MAW, A. B.
CHESTER SNOW, A. B.
JENNIE B. KNIGHT, B. Pd. D. B.
ALICE L. REYNOLDS, B. Pd. D. B.
VILATE ELLIOTT, B. Pd.
O. W. ANDELIN, B. Pd., D. B.

The Faculty.

PROFESSORS.

Names are arranged in the order of seniority of appointment.

GEORGE H. BRIMHALL, B. Pd., D. Sc. D.,
President.

NELS. L. NELSON, B. Pd., D. B.,
Philosophy.

JOSEPH B. KEELER, D. B., M. Ac.,
Accounting.

O. W. ANDELIN, B. Pd., D. B.,
Modern Languages.

EDWARD H. HOLT, B. Pd., D. B.,
Stenography.

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Law.

EDWIN S. HINCKLEY, B. S., D. B.,
Geology.

JAMES L. BROWN, B. S., D. B.,
Education.

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Music.

IDA S. DUSENBERRY, B. Pd.,
Kindergarten.

ERNEST D. PARTRIDGE, B.Pd., B. S.,
Mathematics.

JOHN C. SWENSON, A. B., D. B.,
History and Economics.

WM. F. WARD, B. S., D. B.,
Mathematics.

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Chemistry.
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MAY WARD, B. Pd.,
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ALFRED OSMOND, A. B.,
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CHESTER SNOW, A. B.,
Physics.
ELMER E. HINCKLEY, M. D.,
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Foreign Languages.
FRANCIS W. KIRKHAM, A. B.,*
History.
JOSEPH PETERSON, S. B., Ph. D.,
Psychology.
RALPH V. CHAMBERLIN, Ph. D.,
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GEORGE C. LANEY, B. S.,
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Education.
AMOS N. MERRILL, B. S., M. A.,
Agriculture.

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English.

*On furlough.

ARETTA YOUNG, B. Pd., D. B.,
Drawing.
CLAIR W. REID,
Music.
ROBERT SAUER,
Band.
MOSES GUDMUNDSON,
Orchestra.
HARVEY FLETCHER, B. S.,*
Physics.
CHRISTEN JENSEN, M. A.
History.
HANS ANDERSON,
Ironwork.
EARL J. GLADE,
Bookkeeping.
EDWIN H. SMART, B. Pd.,
Horticulture.
LOA ROBERTS,
Oral Expression and Physical Culture.
ANDREW T. RASMUSSEN, A. B.,
Biological Science.

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WM. H. BOYLE,
Head Sub-High School.
NELLIE SCHOFIELD,
English.
RAY PARTRIDGE,
Mathematics.
MABEL BORG,
Music.
BERRY MAYCOCK,
Bookkeeping.

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*On furlough.

FRED BUSS,
Physiography.
WILLIAM J. SNOW,
English.
HATTIE WALKER,
Typewriting.
MYRTLE NEBEKER,
Domestic Science.
MISSIA GARDNER,
Domestic Art.
CLARENCE J. HAWKINS,
Music.
DAVID E. REESE,
Music.
RAY HOLDAWAY,
Music.

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Modern Languages.
C. H. CARROLL,
Sub-High School.
HUGH WOODWARD,
Sub-High School.
HEBER C. SNELL,
English.

TRAINING SCHOOL FACULTY.

ALMA L. BINZEL, B. S., Director.
IDA S. DUSENBERRY, B. Pd., Kindergarten Director.
ARCHIE THURMAN, Critic and Grade Teacher.
L. JOHN NUTTALL, Critic and Grade Teacher.
FANNIE McLEAN, B. Pd., Critic and Grade Teacher.
MAUD M. BEELEY, A. B., Critic and Grade Teacher.
OLIVE Y. GILCHRIST, Critic and Grade Teacher.
HERMES PETERSON, Critic and Grade Teacher.
LIZZIE LINDSAY, Critic and Grade Teacher.
JULIAN CUMMINGS, Nature Work.
CHARLES R. JOHNSON, Music.
BENGT F. LARSON, Art and Manual Training.

STANDING COMMITTEES.

The President is ex-officio a member of all committees.

Admission and Graduation.—John C. Swenson, James L. Brown, Jos. B. Keeler, E. S. Hinckley, Amos N. Merrill, E. H. Eastmond, A. C. Lund.

Advance Credit.—James L. Brown, Charles E. Maw, Wm. F. Ward, Christen Jensen, Nellie Schofield.

Library.—James L. Brown, Alice L. Reynolds, O. W. Andelin.

Lectures and Socials.—John C. Swenson, Joseph Peterson, A. C. Lund.

Student Aid and Employment.—E. S. Hinckley, E. H. Eastmond, Nellie Schofield, Jennie B. Knight, E. D. Partridge.

Athletics.—Alfred Osmond, Fred Bennion, E. S. Hinckley.

Petitions.—James L. Barker, J. E. Hayes, E. J. Glade.

Transportation.—The Presidency, Secretary, and Alfred Osmond.

Printing and Advertising.—Joseph B. Keeler, E. H. Holt, N. L. Nelson.

Brigham Young University.

HISTORY.

The institution, which, for the first twenty-eight years of its existence, was known as the Brigham Young Academy, was founded by a deed of trust executed by President Brigham Young, October 16, 1875. A preliminary session was held soon after its establishment, with Hon. W. H. Dusenberry as Principal, succeeded by Dr. Karl G. Maeser, who had been called by President Young to take charge of the school. The Academy was formally opened August 21, 1876, the dedicatory prayer being offered by Daniel H. Wells. Dr. Maeser continued as Principal for fifteen years, when he was promoted to the general superintendency of the Church schools; and Dr. Benjamin Cluff, Jr., was chosen to take his place. In 1894, when regular heads or principals of departments were appointed, the title was changed to that of President.

The first Board of Trustees consisted of seven members; viz., Abraham O. Smoot, William Bringhurst, Myron Tanner, Harvey H. Cluff, Wilson H. Dusenberry, Martha J. Coray, and Leonard E. Harrington. A reorganization took place in 1890, when the Trustees, together with the executors and heirs of Brigham Young, conveyed to a new Board all the real estate held by the Academy, an act which greatly improved the material interest of the institution.

In the death of President Abraham O. Smoot, which occurred March 6, 1895, the Academy lost one of its oldest friends and staunchest supporters. To fill the vacancy thus made, Brigham Young, eldest son of the founder, was elected President of the Board of Trustees, and Geo. Q. Cannon and Reed Smoot were elected to fill other vacancies.

On July 18, 1896, the institution was formally incorporated

under the laws of the State. Following are the names of the incorporators who were also the Trustees of the institution: Brigham Young, Geo. Q. Cannon, Myron Tanner, Harvey H. Cluff, Wilson H. Dusenberry, Karl G. Maeser, David John, Susa Young Gates, Reed Smoot, Thomas R. Cutler, Geo. D. Snell, and Joseph Don Carlos Young.

Provision is made in the articles of incorporation that the institution shall be under the management of a board of twelve directors, to be elected every three years by the Saints assembled in Annual Conference. The first election took place April 6, 1897. At a meeting of the board held August 2, 1897, Geo. Q. Cannon of the First Presidency of the Church was elected President of the Board, which position he held to the time of his death, April 12, 1901.

The Lewis Hall, situated at the corner of Center and Third West streets, was the first home of the institution. The building had been purchased for the Academy by President Brigham Young, and was re-arranged to meet the wants of the school. This hall served the purpose of the institution for nine years. By the opening of the tenth Academic year two additions had been completed, mainly by the munificence of President Smoot. Six months later, on the night of Jan. 24, 1884, the entire structure was destroyed by fire.

The school was now without a home and without means to rent, buy, or build one. Only one day, however, was lost. The basement of the old Tabernacle, Mr. S. S. Jones' store, and the newly completed First National Bank building were generously turned over for the use of the school during the remainder of the year. The following year the floor of the large Z. C. M. I. warehouse was leased. Here the school remained for six years, at the expiration of which the new building was completed, and on Monday, Jan. 3, 1892, it was formally entered and dedicated.

Founder's day was first celebrated in the year 1891, and has since become a prominent holiday. This day, 1896, was signalized by two important events. The first was the formal creation, by the Board of Trustees, of the College. The second was the placing of the eight grades of the Normal Training school in a separate building.

While this removed the pressure of enrollment to a certain extent, a point in the school's growth was soon reached when more room became necessary. The need was promptly met, however, by the following named persons: Wilford Woodruff, George Quayle Cannon, Joseph Fielding Smith, Reed Smoot, Jesse Knight, Charles Edwin Loose, Jesse William Knight, Alfred William McCune, Inez Knight, and Stephen L. Chipman. The collegiate building, the dedication of which took place during Commencement week, 1898, now stands as a monument to their liberality. The tableted chairs and settees with which the rooms are seated were donated by the patrons and friends of the school through the Alumni association.

Founder's day, 1898, also marks an epoch in the development of the school, for on this day there were formally established and dedicated (1) a laboratory of Physics by the Holt Family, and (2) a laboratory of Chemistry by the Magleby Family. The Beckstead Laboratory of Mechanics was dedicated on Founder's day, 1899, and the Hinckley Laboratory of Natural Science was dedicated on Founder's day, 1900.

By an action of the Church Board of Examiners, December 1, 1899, three institutions, viz., the Brigham Young Academy, the Brigham Young College, and the Latter-day Saints' College were declared, recognized, and sustained by the First Presidency as schools of secondary instruction. Each institution was empowered to maintain a high school, offering at its discretion a normal course, an academic course, and a business course, leading to certificates of graduation.

It was also provided that no institution should offer a degree short of four years' college or university work. The courses common to university instruction were distributed among the three institutions named, and to the Brigham Young Academy was given the following: Theology and English, the mechanical and engineering arts, including mechanical, civil, electrical, and mining engineering, and domestic arts, also general pedagogy, including normal training; said courses to lead to the degrees of Bachelor of Science and Bachelor of Pedagogy.

The Brigham Young Academy South American Expedition with President Benj. Cluff, Jr., in charge, started on its journey

April 17, 1900, and returned to Provo, February 7, 1902. During the two years that President Cluff was away, the institution was under the supervision of Dr. Geo. H. Brimhall as Acting President.

On Feb. 17, 1902, the Gymnasium and Training School, a building erected at a cost of $35,000.00, was dedicated. The means for this structure was mainly the gift of public-spirited friends, chief of whom were Jesse Knight and David Evans. On the same day, President Cluff, having returned from South America, resumed his office as President of the institution.

No history of the school would be complete that did not recognize the energy of the students in advancing its interests. Through their efforts many volumes have been added to the library. The Student Body also took the initiative in the movement which led to the building of the Gymnasium, and at its completion furnished it with suitable equipment.

For a long time it had been felt that the character of the work of the institution entitled it to a more comprehensive name. This fact having been recognized by the Board, on Founder's day, 1903, the name was formally changed from the Brigham Young Academy to that of Brigham Young University.

On Dec. 22, 1903, President Benjamin Cluff, Jr., severed his connection with the institution, his resignation having been accepted a short time before. The management of the school then fell upon Dr. George H. Brimhall as Acting President until the close of that school year, when he was appointed President of the University.

On October 26, 1904, the Missionary and Preparatory building was dedicated by President Joseph F. Smith. The first two stories of this building were erected by donations from the Alpine, Nebo, Utah, and Wasatch Stakes of Zion, and were set apart for the home of the Missionary Department and Preparatory school. The third story was fitted up for Domestic Science and Art work, Miss Emma Lucy Gates contributing nearly One Thousand Dollars, with a view to founding in the near future a Domestic Science department, bearing the name of her grandmother, Lucy B. Young. The cost of the entire structure was over $13,000.00.

During this same year, another building was erected at a cost of $2,500.00 for the instruction of the workers in iron. Ten forges in this building were donated by public spirited citizens. The growth of the school during this year was marked also by the organizing of a school of Arts and trades, including an Iron Work department.

During the year 1905-1906 there were established two scholarships for girls—the Maria Y. Dougall scholarship, and the Eliza Woolacott scholarship. Six lathes and one electric motor were contributed to the wood-working department by patrons of the school. A department of Agriculture, offering regular courses, was organized at the beginning of the year, and during the winter months a four-week course was given for farmers. A gas plant was installed for the supplying of the chemical laboratories and the Domestic Science department, and a laboratory was equipped for agricultural experiments.

During the year 1906-1907, the degree A. B. was substituted for the degree B. Pd. Two hundred and eight acres of land were purchased on the mountain side east, ten acres more were purchased on Temple Hill, and 500 acres of excellent land situated on Provo bench were donated to the institution by the Knight family. Members of the Faculty and members of the Board of Trustees contributed $1,000 for the purchase of apparatus for the laboratory of Physics.

During 1907-8 the students, teachers, and patrons of the school contributed a fund of $2,025.70, with which cement walks were laid throughout the grounds. Another notable contribution by the students and teachers was one of $1,000, with which a small plot on the point of Temple hill was purchased, and donated to the institution. The dedication of Temple hill for educational purposes took place January 16, 1908, President Joseph F. Smith offering the dedicatory prayer. The purchase and fitting up of the Arts building, the establishment of a mid-winter night school, and the extension of University courses in Theology to adjoining cities, are other noteworthy events of the year.

The most important event during 1908-9 was an action by the General Church Board of Education, February 11, 1909, establishing in this institution a Church Teachers' College, and

concentrating here all the college or university work of the Church school system. In accordance with this decision, the organization of the University in general has been somewhat modified, as will be noted by comparing the current Annual with that of the previous year.

ORGANIZATION.

As set forth elsewhere, the organization of the institution is considerably modified this year; owing to the fact that it has been made the official Teachers' College of the Church school system. The aim of the College being the thorough preparation of teachers for the varied demands of high school service, it has necessarily had to extend its courses along pedagogical lines. An examination of the work as outlined in this catalogue, will show that the College curriculum has been much strengthened in the direction of its new activities.

Below the College grade the institution presents two secondary schools; a Normal school, offering the regular four-year courses and leading to a diploma fitting the student to teach in the graded schools of the state; and a High school of four years' work, in which the student may specialize in any one of five directions; viz., (1) in the regular science and classical departments, preparatory for college work; (2) in the Commercial department, preparatory for a business career; (3) in the department of vocal and instrumental Music, leading to professional work in the field of music; (4) in the department of Art and Manual Training, preparatory for the varied demands of active life; and (5) in the department of Agriculture, preparatory for scientific operations in farming, horticulture, and animal husbandry.

A Sub-High school or preparatory department will be continued as heretofore, the aim being to prepare young men and women who have passed the district school age, to enter the Normal or High school.

SCHOOL SOCIETIES.

THE STUDENT BODY.

This is an orzanization effected by the students themselves. Aside from its general purpose as a voice medium of the student body in their relation to other schools, it is a powerful adjunct to the Domestic organization in maintaining proper order and decorum.

POLYSOPHICAL SOCIETY.

For a number of years it has been the policy of the institution to offer to the students a series of lectures by distinguished men from abroad. The necessity for thus coming in contact with the larger life and thought of the world is apparent to all. To supply this need is the function of the Polysophical Society. Formerly its chief aim was to present miscellaneous programs by local talent. It has, however, gradually evolved into a lecture bureau for supplying the University with the best talent obtainable, not only from home, but also from abroad. The following lectures and recitals were given under its auspices during 1908-9:

Oct. 20, Frederick E. Hopkins; Nov. 23, 24, Dr. H. H. Powers: (1) "Michael Angelo and the Sistine Ceiling," (2) "Story Tellers in Art." Dec. 3, Opie Read: "First One Thing and Then Another." Jan. 16, N. C. Hanks: A Reading. Jan. 20, Whitney Brothers: Male Quartette. Feb. 3, Russell H. Conwell: "Acres of Diamonds." Feb. 18, 19, 20, Gilbert H. Bancroft: (1) "Hoodoos;" (2) "When, Whom, and How to Love;" (3) "A Man's Hell." March 4, Wm. Thurston Brown: "Economic Interpretation of History." April 1, 2, Frank Spaight: (1) "Pickwick Papers;" (2) "David Copperfield." May 9, F. W. Kirkham: "Social Aspect of Mormonism."

ART SUPERVISION ASSOCIATION.

This organization consists of teachers of the activities who are graduates of this institution, and are in the practical field

of work; also of prospective graduates of the college or four-year High school. The purpose is to further the interests of the profession.

MASTERBUILDER CLUB.

This organization has been established for the benefit of students having special talent in any phase of fine and applied art. Students become life members on entrance and remain such as long as advancement is shown by them. During the year lectures on practical application, and other topics in connection with arts and trades, will be given by members of the Faculty and recognized educators.

THE LITERARY SOCIETY.

This organization is primarily for the benefit of the classes in English, Elocution, and Literature, though membership is open to all students. The purpose is to cultivate the literary taste of its members, and to furnish opportunity for acquiring facility in public speaking. It is under the direct control of the department of English.

THE MUSIC SOCIETY.

This is a society of the students in music, the purpose being to study classic selections. The society meets weekly for an hour's recital by the instructors and leading students in music. Admission to these recitals is free. During the past year the programs have been largely attended by the music-loving people of Provo. Under the auspices of this society, concerts will be given on the second Wednesday evening of each month.

SCHOOL EQUIPMENT.

LABORATORIES.

The Holt Laboratory of Physics.—This laboratory was founded by the Holt family Oct. 16, 1898, and is supplied with

apparatus for illustrating physical phenomena, and for determining the general laws of physics. The equipment for the department of electrical engineering includes experimental dynamos and motors, primary and secondary batteries, ammeters, galvanometers, volt-meters, resistance coils, and arc and incandescent lamps.

The Magleby Laboratory of Chemistry.—This laboratory was founded by the Magleby family Oct. 16, 1898. Ample facilities are here afforded for practical demonstrations of the theories taught in the class room. Apparatus has been provided for the elementary work, for qualitative and quantitative analysis—such as the technical examination and analysis of ores and minerals—and for special work in organic chemistry.

The Beckstead Laboratory of Mechanics.—This laboratory was founded by the Beckstead family, Oct. 16, 1899. It is at present supplied with tools and machinery for the simpler branches of woodwork. It has already become a popular workshop of students and promises great results in mechanical training.

The Hinckley Laboratory of Natural Science.—This laboratory was founded by the Hinckley family in 1900. It is equipped at present for work in elementary biological science.

The Agricultural Laboratory.—This laboratory is equipped with the necessary apparatus for the testing of soils and other experiments incident to the work in agriculture.

THE UNIVERSITY LIBRARY.

All the collections have been merged into one. It has not been deemed advisable to continue the separate libraries. There are 9,905 bound volumes and some 9,000 pamphlets.

Class organizations of the school have been the chief contributors in the past, the Class of '97 setting the pace. The subjects contributed have been as follows:

Philosophy, by the Class of '97—252 vols.

Theology, by the Class of '98—720 vols.
Literature, by the Class of '00—215 vols.
History, by the Class of '02—383 vols.
Science, by the Class of '03—452 vols.
Psychology and Pedagogy, by the Class of '04—200 vols.
American Antiquities, by the Class of '05—27 vols.
Economics and Sociology, by the Commercial School—30 vols.
Periodicals, by the High school '04—201 vols.

An event of great importance to the Library was the formal gift, on April 15, 1908, of the Maria Leland Library, by Mr. F. Warren Smith, of Los Gatos, California. This collection consists of 1,500 volumes on Physics, Chemistry and allied subjects, a collection worth upwards of $7,000.

Designated Depository Library.—Through the courtesy of Senator Reed Smoot, the Government made this a depository library, on May 18th, 1908. Since that date the library has received 2,158 public documents, of which 250 are bound.

It is understood, as a United States depository library, we guarantee that all publications sent to us shall be made available for the free use of the general public; also that they remain the property of the United States, and must not be loaned outside the institution.

Kirkham Library.

During the present year, Prof. Francis W. Kirkham proffered the University the use of his private library. There are at present 234 books in this collection.

New Classification of Books.

The University Library is being re-classified and re-catalogued, according to the Decimal system of notation, and the Dictionary Card Catalogue method of reference. Following is the basis outline for this classification:

000 stands for Bibliography, Cyclopedias, etc.
100 stands for Philosophy.

200 stands for Religion.
300 stands for Social Science, Economics, Politics, etc.
400 stands for Language.
500 stands for Science.
600 stands for Useful Arts.
700 stands for Fine Arts.
800 stands for Literature.
900 stands for Travel, Biography, History.

For convenience these classes are usually referred to as *hundreds,* rather than as *units;* e.g., the 600's, meaning the useful arts.

Each class may be divided and subdivided, each division being indicated by the addition of one or more figures. It is not usual to assign a number consisting of more than six figures.

All books bearing the same number are shelved together as far as practicable. The class number combined with another known as the author number (both together being spoken of as the call number) is written in the volume and on the catalog card, and thereby becomes a symbol by which one book is distinguished from another, and by which it may be located on the shelf when this call number is known.

Most of the newspapers of the state are sent to the University gratis, and are at the disposal of the students. The following magazines and journels are received by subscription:

American Journal of Psychology, The
American Primary Teacher, The
American Review of Reviews, The
Atlantic Monthly, The
Better Fruit
Bulletin of the Geological Society of America
Century Magazine, The
Craftsman, The
Current Literature.
Economic Geology
Educational Foundations
Educational Review, The
Elementary School Teacher, The
Etude, The
Journal of American History, The

Journal of Geography, The
Journal of Geology, The
Journal of Philosophy, Psychology and Scientific Methods

(donated by D. D. Houtz, Provo)

Journal of Political Economy, The
Kindergarten Review, The
Literary Digest, The
Little Folks
Little Journeys
Mind and Body
Nature Study Review, The
Normal Instructor, The
Outlook, The
Philistine, The
Philosophical Magazine, The
Psychological Bulletin, The
Psychological Review, The
Physical Review
Primary Education
Primary School, The
Public Libraries
Putnam's Monthly
Quarterly Journal of Economics, The
Science (Contributed by Dr. Pehrson.)
Scientific American, The
Success
Teacher's College Record, The
Teacher's Magazine, The

About fifteen agricultural journals and papers come in exchange for the Deseret Farmer, by the courtesy of Dr. J. A. Widtsoe of the Utah Agricultural College.

EXHIBITIONS.

A special room is set apart for exhibit purposes. The work of the school is constantly on exhibition for the public as well as for the students of the University.

The University Gallery of Art, comprising works of emi-

nent Utah artists, is open regularly for the benefit of students and the public.

The Annual Exhibition of Arts is held at the end of each school year.

Each graduating student of the school of Arts and Trades has the privilege of exhibiting his work.

PRIZES IN PUBLIC SPEAKING.

There have been established at the University the following prizes for contests in public speaking:

1. **The Barton and Blake Gold Medal** for the best Washington's Birthday oration. Awarded last year to Thos. L. Martin.

2. **The Jex Gold Medal** for the best oration on any subject. Awarded to John Christensen for 1907-8; to Charles Schwenche for 1908-9.

3. **The Kirkham Medals,** given to those students who make the debating team. Awarded last year to Sherwin Maeser, R. Wallace McMullin, Henry Rose, Charles Schwencke.

MUSEUM.

The Museum is rapidly becoming an important feature in the department of Natural Science. Among the notable exhibits is a collection of 1,200 birds from Mexico, Central America, and South America, made by the exploring expedition. There are also collections in Mineralogy, Geology, and Physical Geography, which are constantly being increased. Friends, patrons, and students of the institution are respectfully invited to make such donations and contributions to this department as their kindness and ability will suggest. A record of such contributions will be kept in the archives of the University, and will be open for inspection at any time. In sending specimens state the name of the donor, the place where the specimen was found, and add such other facts as will be of interest to the student.

DOMESTIC ORGANIZATION.

The disciplinary part of the University is placed as much as possible in the hands of the students, with a view to developing in them the power of self-government. Obedience to the necessary rules and regulations is enjoined upon all, both in and out of school; but students are taught to yield obedience from a sense of honor. As soon as a student demonstrates his inability to govern and control himself, he is labored with by the domestic officers (leading students) and the Faculty. If he persists in disobedience, and shows a lack of proper self-control, he is suspended or expelled at the discretion of the authorities.

The Domestic organization is the disciplinary part of the University in and out of school. A senior is appointed over each boarding place, whose duty it is to see that everything in that boarding place is in order; and should there be disorder and confusion, it is his duty to report immediately to the proper authorities. The duty of the domestic officers is to see that students are properly cared for, have proper facilities for study, and are pursuing with diligence and profit their respective studies; also that proper hours are kept, and no evil tolerated among the student body.

RULES OF DISCIPLINE.

It is assumed that students will conduct themselves, under all circumstances, as ladies and gentlemen, and that they have entered school for the sole purpose of getting an education

Students are subject to the rules and regulations of the University, both in and out of school.

1. In case of injudicious expenditure of means, any student may be called to account by the President.

2. The use of strong drink and tobacco is not permitted.

3. Students are not permitted to attend public parties, except on special request of parents or guardian, and by permission of the President.

4. Irregularity in habits, keeping late hours, having im-

proper associates, or visiting places of questionable repute, will not be tolerated.

5. Students are expected to honor the authority of the seniors of their boarding places, as representatives of the Faculty.

6. No student can honorably discontinue attendance, except at the close of a semester, without a release from the President.

7. Students will be held responsible for the cost of any damage done by them to the property of the institution.

8. Any disciplinary announcement made by the Executive of the school becomes a part of these rules of discipline.

9. Violation of any of the rules of the University lays the offender liable to suspension or expulsion.

FEES AND EXPENSES.

To students entering the College from the University secondary schools or from any other Church Schools the only charge will be an annual registration fee of $10.00. To all others there will be an additional charge during the first year of $20.00 for a life membership certificate.

A life membership certificate to the Normal school and to any department of the High school except the Commercial, costs $20.00. This entitles the student to as many years' instruction as he desires, with no other cost than an annual registration fee of $9.00. Students not taking out life membership certificates will be charged at the rate of $6.00 a semester for each half-unit course, or $1.25 per week for a full course.

Students may enter the Commercial department of the High school by paying an annual expense fee of $34.00, or students may obtain life membership certificates to the Com-

mercial school by paying $30.00, and the only additional charges will be an annual expense fee of $19.00.

Entrance to the Sub-High school requires an annual expense fee of $19.00, or $12.50 a semester.

Pupils entering the Training school will be charged an annual fee of $2.50.

Fees for Special Courses:

General Nursing, $25.00 per year; Relief Society Club rates, $10.00.

Bookkeeping, $12.00 a semester.

Shorthand, $10.00 a semester.

Typewriting, $10.00 a semester.

Shorthand and Typewriting, $15.00 a semester. (Regular students from other divisions of the University may take these courses at half price, except Nursing, for which a fee of $5.00 will be charged.

Laboratory Fees for each Semester:

General Chemistry, $5.00.
Organic Chemistry, $5.00.
Quantitative Analysis, $5.00.
Qualitative Analysis, $5.00.
Assaying, $10.00.
Physics, $2.00.
Mineralogy, $2.00.
Economic Geology, $2.00.
Woodwork, $3.50.
Iron Work, $3.00.
Botany, $2.00.
Zoology, $2.00.
Physiology, $2.50.
Physiography, $1.50.
Plant Physiology, $2.50.
Field Botany, $1.00.
Zoological Collection and Taxidermy, $2.00.
Studio Work, 50c to $2.50.
Design, $1.00.
Drawing, 50c.
Dressmaking, $1.50.

Domestic Art, 50c.
Domestic Science, $2.50.
Normal Manual Training, $1.00.
Normal Manual Training, Laboratory Work, 50c to $2.50.
Shop Work, 50c.
Fine Art, 50c to $2.50.
Applied Art, 50c to $2.50.
Drafting 50c.

Graduation Fees:

Diplomas, $5.00.
Degrees, $10.00.

The Church Teachers' College.

By action of the General Church Board of Education, the Church Teachers' College will be established at this University, beginning with the current year. The aim is to give a College education that shall prepare superintendents, supervisors, principals, and high school teachers. The completion of the work prescribed leads to the degree of Bachelor of Arts (A.B.). The following departments have already been organized: Theology, Education, Philosophy and Psychology, English, Foreign Languages, Mathematics, Biological Science, Geological Science, Chemistry, Physics, History and Social Science, Music, and Fine and Applied Arts. The student will choose a major subject from one of the above departments.

ADMISSION.

Students are either regular or special. To become a regular student, the candidate must have completed a four-year Normal or High school course, or its equivalent, or he must pass examination in a sufficient number of the entrance subjects outlined below to make fifteen units of credit.

The fifteen units presented for entrance should include: English, 3 units; Algebra, 1 unit; Geometry, 1 unit; and Electives, 10 units. The list of subjects from which electives may be chosen is found below.

Candidates who are of mature age, and who show ability to pursue special work, are admitted as special students on recommendation of the professor of a department. Any special student may be enrolled as a regular student on fulfillment of the requirements for admission.

Following is a list of subjects from which the elections may be chosen. The units indicate the amount of credit allowed for each subject:

Botany	½ or 1 unit	Trigonometry	½ unit
Zoology	½ or 1 "	American History & Civics	1 "
Physiography	½ "	English History	½ or 1 "
Physiography	½ or 1 "	Ancient History	1 "
Geology	½ "	Modern History	1 "
Astronomy	½ "	German	1 or 2 units
Chemistry	1 "	French	1 or 2 "
Physics	1 "	Spanish	1 or 2 "
Higher Algebra	½ "	Latin	1, 2 or 3 "
Solid Geometry	½ "		

The work done in each of these subjects should be equivalent to that outlined in the High school division of this catalogue. Other subjects than those here named may be accepted, provided evidence is furnished that the work in them has been thorough and of a sufficient amount.

DEPARTMENT OF THEOLOGY.

President Brimhall.
Professor Keeler.
Professor Nelson.
Professor Osmond.

1 and 2. Psychology of Religion.—This course considers the place and relative value of religion in education, the periodicity and spiritual development in the individual and the race, and the correlation of religious instruction with other studies. Three hours throughout the year. Six hours credit.

3. Church Governments.—The main feature of this course will be an analysis of the Government of the Church of Jesus Christ of Latter-day Saints. Supplemental to this will be a brief examination of the governments of the prevailing religions of the world. Three hours, first semester.

4. Church Governments.—Continuation of 3. Three hours, second semester.

5. Philosophy and Religion.—The history of philosophy is traced in outline. A comparative study of natural and re-

vealed religion. Under the subject of revealed religion the following are some of the fundamental problems discussed: Free Agency, Personal Liberty and Social Restraint, Conditions of Happiness, and the Agencies of Redemption. Three hours, first semester.

6. **Philosophy and Religion.**—Continuation of course 1. Three hours, second semester.

DEPARTMENT OF ENGLISH.

Professor Osmond.
Professor Nelson.
Assistant Professor ————
Assistant Professor Reynolds.

1. **Rhetoric and Composition.**—Daily themes, conferences, lectures, and prescribed reading. Required of all candidates for the degree of Bachelor of Arts. Three hours throughout the year. Six hours credit.

2. **Composition and Literature.**—Oral and written composition, conferences, lectures, and prescribed reading. This course is required of all students who elect their major in the English department, and is recommended to all students who are doing special work in English. English 1 required. Three hours throughout the year. Six hours credit.

3. **Public Speaking.**—This course aims at the training of students in all forms of public speaking, special attention being given to debating and oratory. Three hours throughout the year. Six hours credit.

4. **The Epic of Mormonism.**—This course will take up the reading and discussion of "Elias," an epic poem by O. F. Whitney. The work involves some of the deepest problems in philosophy and theology, and also a wide acquaintance with sacred history. Given during both semesters. Two hours credit.

5. **English Literature from Wordsworth to Tennyson.**—Intensive studies in Wordsworth, Coleridge, Byron, Shelley and

others. Lectures, prescribed reading, and weekly papers. Three hours throughout the year. Six hours credit.

6. **Milton.**—Milton's minor poems and several books of Paradise Lost are carefully studied. Two hours first semester. Two hours credit.

7. **Bacon.**—A study of Bacon's Essays. Two hours, second semester. (Not to be given in 1909-1910.)

8. **Shakespeare.**—In this course five or six of the great plays of Shakespeare are read in class. Special attention is given to the interpretation of difficult passages. While the primary purpose of the course is to make the student familiar with Shakespeare, it is believed that a compliance with its prescribed requirements involves the ability to understand and appreciate Elizabethan literature in general. The course is so arranged that it may be taken in two successive years. Three hours throughout the year. Six hours credit.

9. **Shakespeare.**—Continuation of 8. Three hours throughout the year. Six hours credit.

10. **Chaucer.**—In this course many of the Canterbury Tales are read in class. The student is carefully drilled in Chaucer's pronounciation, and special attention is given to the interpretation of the text. Two hours throughout the year. Four hours credit.

11. **English Literature.**—The history and development of the English novel. Two hours throughout the year. (Not to be given in 1909-1910.)

12. **American Literature.**—Three hours, first semester. Three hours credit.

13. **Philology.**—The history and development of the English Vocabulary. A comprehensive study of the ways of words and the development of English grammar. Second semester. Three hours credit.

DEPARTMENT OF MATHEMATICS.

Professor Ward.
Professor Partridge.

1. **Trigonometry.**—Three hours, first semester.

2. **Analytic Geometry.**—Five hours, second semester.

3. **Calculus.**—Five hours throughout the year.

4. **Differential Equations.**—Three hours, first or second semester.

5. **Solid Analytic Geometry.**—Three hours, first or second semester.

6. **Projective Geometry.**—Five hours, first or second semester.

7. **Quaturnians.**—Two hours, first or second semester.

8. **Advanced Algebra.** Four hours, first or second semester.

9. **Theory of Functions.** Five hours, first or second semester.

10. **Mechanics.**—Five hours throughout the year.

DEPARTMENT OF FOREIGN LANGUAGES.

Professor Barker.
Professor Andelin.

Students taking French are invited to join the French Club, and those taking German, the German Club. French and German residents of Provo, returned missionaries from French and German speaking countries, and others interested in these languages, form the membership of the clubs. Their purpose is mainly social; however, from time to time, non-members address them on the customs, life, manners, and literature of their home countries. The clubs will alternate in meeting every Thursday from four until half past five.

GERMAN.

1a. Newson's First German Book; Holzel's Wall Pictures of the Four Seasons. German questions and exercises are dictated to test vocabulary and grammatical knowledge, and to develop "Sprachgenfuhl." Conversation on text. Throughout the year.

2b. Kron's German Daily Life; Heyse's Schul-Grammatik; Hoffmann's Worterbuch der deutschen Sprache; and nineteenth century classics. Students learn to use all-German dictionary, and the grammar is used as a work of reference. Practice is given in direct composition. Throughout the year.

1. Advanced conversation and composition based on study of German life and culture and the reading of prose works. One hour throughout the year.

2. Study of masterpieces of German literature. Hofmann's Worterbuch and German school editions of classics used. German works on literary criticism used for reference and outside reading. Four hours throughout the year.

3. Honig's Literatur Geschichte; Vogt & Koch, Literatur Geschichte for reference. Representative classics will be read and discussed. Two hours throughout the year.

4. Thorough study of some one period with reading and analysis of works. This course varies from year to year and may be taken more than once. Three hours throughout the year.

5. Phonetics and methods of teaching language. One hour first or second semester, time to be arranged.

FRENCH.

1a. Newson's First French Book; Holzel's Wall Pictures of the Four Seasons. Comparative English and French phonetics are studied as far as they may aid the student in acquiring a good pronounciation and accent. Conversational, dictational, and grammatical exercises in one language. Throughout the year.

2b. Newson's Features of French Life I and II; Auge

Grammaire Francaise; Benard Dictionaire Francais. French is used as instrument of study. Throughout the year.

1. Histoire de la Litterature Francaise by Doumie. Reading and discussion of representative masterpieces of last three centuries. Advanced composition and oral narration. Diction and style. Five hours throughout the year.

2. The classical period in France. The beginnings and development of the literature of the period will be studied. A work of each important author will be read and discussed, and special attention will be given to Moliere. This course varies from year to year and may be taken more than once.

LATIN.

Prerequisite: Sixteen hours, or two years high school Latin.

1.—Four hours, first semester.
2.—Four hours, second semester.
3.—Four hours, first semester.
4.—Four hours, second semester.

DEPARTMENT OF BIOLOGY.

Professor Chamberlin.
Assistant Professor Rasmussen.

ZOOLOGY.

1. **General Course.**—A broad survey of the general morphology, physiology, development, and ecological relations of animals, designed as a foundation in the principles and methods of Zoology. Special attention to local forms and problems. Two lectures and one afternoon in laboratory or field, throughout the year. Three hours, first semester.

1a. **General Course.**—Continuation of 1. Same requirements. Three hours, second semester.

2. **Vertebrate Zoology.**—Laboratory work with lectures and study of texts, monographs, and special papers on the prob-

lems of vertebrate organization and classification. Both living and fossil forms receive attention. Three hours throughout the year. Six hours credit.

3. **Animal Histology.**—(a) Histology and Microscopy. The theory and manipulation of the microscope and its accessories. Histological methods; cell formation and differentiation; fundamental tissues. (b) Organology. Systematic study of the organs with reference to the nature, forms, and arrangement of the constituent tissues. Two lectures and three laboratory periods, first semester. Five hours credit.

4. **Vertebrate Embryology.**—Germ-cells, ogenesis and spermatogenesis, fertilization, types of cleavage and gastrulation. Development of chick to end of fourth day, followed by a systematic study of mammalian embryology, based upon the pig. Two lectures and three laboratory periods, second semester. Five hours credit.

5. **Entomology.**—(a) General insect morphology. First semester. (b) General classification of insects with practice in methods of collection and preservation and consideration of economic relations. Three hours, second semester.

6. **Human Physiology.**—A general course dealing with the fundamental facts and principles of human physiology, development and hygiene. So far as possible the work is based upon laboratory experimentation and observation. Four hours per week throughout the year.

7. **Neurology.**—Lectures, reading and laboratory work upon the gross and microscopic anatomy, the development and physiology of the central nervous system and organs of special sense. Designed especially for students of Psychology. Five hours, second semester.

8. **General Principles of Biology.**—Lectures and assigned readings on the general laws and theories of Biology. Fundamental principles of organization and development, native and origin of sex, the modern theories of heredity and descent, etc. Two lectures per week throughout the year.

BOTANY.*

1. **General Course.**—A preliminary discussion of plant cytology and physiology, followed by the study in laboratory and class of a series of plants from the principal natural groups from lowest to highest. Three hours, first semester.

1a. **General Course.**—Continuation of 1. Three hours, second semester.

2. **Plant Histology.**—A comparative study of tissues and tissue systems with training in histological technique. Three hours per week, first semester.

3. **Plant Physiology.**—Laboratory and class work upon the physiology of plants. Three hours per week, second semester.

4. **Plant Taxonomy.**—Laboratory and field work upon the morphology and systematic relations of local flowering plants. Hours and credit arranged with the professor.

DEPARTMENT OF GEOLOGICAL SCIENCE.

Professor Hinckley.

1. **Physiography.**—The work in physiography is designed especially for the preparation of teachers for high school. The most important part of the work is in the laboratory and field excursions. The subject matter will be chiefly land forms and their changes. Three hours, first semester.

2. **Meteorology.**—Physiography 1 is a prerequisite to this course. The aim of the course is not only to acquire an accurate knowledge of atmosphere, weather, and climate, but to develop the power to observe and to show the economic importance of weather and weather forecasting. Three hours, second semester.

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*Not given during 1909-10.

3. Advanced Physiography.—Earth and man, or environment and its effect on civilization and human progress. Lectures and research work. Five hours second semester.

4. Dynamical and Structural Geology.—In this course special attention is given to the dynamic forces in constant operation changing the surface of the earth, and to its structural features. Three hours, first semester.

5. Historical Geology.—This course deals with the history of the earth as indicated by the biological development of life forms. Three hours, second semester.

6. Economic Geology.—This course is open to students having Physiography 1 and Geology 4. The course deals (1) with Geology in its relation to agriculture, the organ and nature of soils, fertilizers, ground water, etc. (2) Building and road-making materials. (3) Relation of Geology to health. Five hours second semester.

7. Mineralogy.—General course in determinative Mineralogy. Three hours, first semester.

8. Lithology.—A study of common rocks. Three hours, second semester.

ASTRONOMY.

1. General Astronomy.—This course will be a discussion of the general truths of astronomy with simple demonstrations. Occasional experiments will be performed by the students. Requirements: (1) High School Physics. (2) Geometry and Trigonometry. Young's "Manual of Astronomy." Two hours, first semester.

2. General Astronomy.—A continuation of course 1. In addition the students will be expected to locate and map out the principal constellations of stars seen in the northern heavens. Course 1 required. Two hours, second semester.

DEPARTMENT OF CHEMISTRY.

Professor Maw.

1. **Qualitative Analysis.**—Chiefly laboratory work. The purpose of this course is to train the student to do intelligent analytical work, and to enable him to analyze any mixture containing common inorganic compounds. Five hours, first or second semester.

2. **Quantitative Analysis.**—Training in manipulation in gravi-metric and volumetric methods. Talbot's "Quantitative Analysis." Five hours, first or second semester.

3. **Mineral Analysis.**—Systematic analysis of representative minerals. Frenius' "Quantitative Analysis," and Low's "Sectional Method of Ore Analysis" will be used as references. Five hours, first or second semester.

4. **Wet Assaying.**—It is the aim of the course to give a thorough training in practical methods of wet assaying. A large number of checked samples will be analyzed. Furman's "Practical Assaying." Four hours, first or second semester.

5. **Assaying.**—Open to students who have completed course 2. Three hours, second semester.

6. **Organic Chemistry.**—Lectures and recitations three hours a week; labortory work, six hours a week. The course will take up thoroughly the simpler organic compounds, investigating the chemical behavior, the characteristic reactions and relationship of the different classes of organic compounds. The laboratory work consists in the preparation of the typical carbon compounds. This course will be given if a sufficient number of students apply. Three hours, first semester.

7. Continuation of Chemistry 6. Three hours, second semester.

8. Water Analysis. Two hours.

9. Food Analysis. Two or four hours.

10. Urine Analysis. Two hours.

11. Physical Chemistry. Two hours.

DEPARTMENT OF PHYSICS.

Professor Snow.

Courses 1, 2, 3 and 4 may be taken in any order. The requirements for each course are the same, namely, Trigonometry and High School Physics.

1. Experimental Mechanics and Sound.—The laboratory work will consist of accurate measurements of lengths with the micrometer microscope and the cathetometer, optical methods of measuring angles, measurements of the value of gravity with the coincidence pendulum, measurements in elasticity, fluid pressure, capillarity, velocity of sound, frequency of tuning forks, laws of vibration of strings, graphic anaysis of sound waves, etc. Two lectures and three consecutive hours in the laboratory per week. Three hours credit. First semester.

2. Heat.—The laws of Thermodynamics, and their application to the behavior of gases, osmotic pressure of solutions, electrolytic cells, kinetic theory of matter, etc. The laboratory work will consist in measurements of specific heats, co-efficients of expansion, heats of fusion and vaporization, etc. Two lectures and three consecutive hours in laboratory per week. Three hours credit. Second semester.

3. Light.—Interference and diffraction of light, double refraction, polarization, relation between light and magnetism. The laboratory work will consist of Young's and Freshnel's. Interference experiments, measurement of wave length, with the

diffraction grating, spectroscopic analysis. Interferometer methods of measuring distances, wave lengths, indices of refraction, etc., and making analysis of bright lines, experiments in double refraction, plane, circular and elliptic polarization, natural and magnetic rotation, etc. Preston's "Theory of Light" will be used as a text the greater part of the time. Two lectures and two three-hour laboratory periods throughout the year. Four hours, first semester.

3a. **Light.**—Continuation of 1. Four hours, second semester.

4. **Electricity and Magnetism.**—The lectures will deal with the principles of electricity and magnetism as far as the mathematical limitations of the students will permit. The purpose of this course is mainly to give the student a laboratory acquaintance with electricity phenomena, and thoroughly to ground him in the principles and methods of electrical measurements. The laboratory work will consist of measurements in drop of potential, use of potentiometer, adjustment and use of sensitive galvanometers, calibration of ammeters and voltmeters, accurate measurements of resistances by the use of the Carey-Foster bridge, temperature co-efficient of coils, measurement of the earth's magnetic field, magnetometer and ballistic measurements, determination of magnetic hysteresis, the relative and absolute measurement of capacities, co-efficients of induction and work with quadrant and attracted disc electrometers. Three lectures a week, and two three laboratory periods throughout the year. Ten hours credit.

4a. **Electricity and Magnetism.**—Continuation of 4. Five hours, second semester.

5. **Advanced Course in Electricity.**—Theory of the potential function, electrostatics, electromagnetism and electrodynamics. Requirements: Integral Calculus. Three hours a week throughout the year. Five hours, first semester.

5a. **Advanced Course in Electricity.**—Continuation of 5. Five hours, second semester.

6. Introduction to Mathematical Physics.—The mathematical treatment of vibrations, temperature, potential and conduction problems by means of Fourrier's Series and Harmonic Analysis. Lectures, problems and written exercises. Requirements, Calculus. Three hours a week throughout the year. Ten hours credit.

DEPARTMENT OF HISTORY AND SOCIAL SCIENCE.

Professor Swenson.
Associate Professor Jensen.

HISTORY.

1. American Colonial History.—From the discovery of America to 1789. A study of the problems of discovery, exploration, and colonization. The European conflicts for colonial territory. The causes and results of the American Revolution, terminating with an examination of the formation of a national constitution. Five hours, first semester.

2. United States History.—The period from 1817-1860. This course considers the "Rise of the New West," the economic, political, and moral phases of slavery, and the constitutional questions arising therefrom. Five hours, first semester.

3. Civil War and Reconstruction.—A study of the readjustment of the nation to its equilibrium after the Civil War. Alternated with History 2. Five hours, second semester.

4. History of England to 1603.—This course will deal with the political, social, and constitutional history of England. Three hours, first semester.

5. History of England since 1603 three hours, second semester.

6. The French Revolution and the Napoleonic Period.—A

study of the causes, constitutional and social experiments of the French Revolution with an examination of Napoleon's career. Five hours, first semester.

7. **History of Continental Europe since 1814.**—An examination of the rule of Metternich, the development of Liberal opposition, the revolutions of 1820, 1830, and 1848, the unification of Italy, and the establishment of the German Empire. To conclude with a survey of present European conditions. Five hours, second semester.

8. **Comparative Constitutional Government.**—This course will examine the governments of the United States, England, France, Germany, Austria-Hungary, Switzerland, etc. Attention will be given to the different departments of government, the relations between these departments, organization and influence of political parties, the judiciary and its relation to the constitution. Five hours, first semester.

ECONOMICS.

1. **Theory.**—A study of the underlying principles governing the production, exchange, distribution, and consumption of wealth. Five hours, first semester.

2. **Money and Banking.**—A study of the principles of money and banking, the exemplification of those principles in the monetary and banking history of the United States, and the study of the present day currency and banking problems in the United States. White's "Money and Banking." Three hours, second semester.

3. **American Railway Transportation.** Considers the development of the American railroad, from the standpoints of history, charter privileges, capital, service, passenger, freight, express, and mail; relation to the public, and relation to the state. Five hours, second semester.

4. **Economic History of the United States.**—Traces the economic development of the United States through the colo-

nial era, and the period of the industrial revolution and westward movement, and emphasizes economic integration and industrial organization. Four hours, first semester.

SOCIOLOGY.

1. **Social Pathology.**—A study of social pathological conditions as outlined in Warner's American Charities. Emphasis will be made of practical social work. Three hours, second semester.

DEPARTMENT OF EDUCATION.

Professor Henry Peterson.
Professor Brown.
Professor Lund.
Instructor Johnson.

Order of Courses.—Courses 1 and 2 should be taken in the sophomore year; courses 3 and 4 in the junior year; and courses 5 to 9 in the senior year.

1. **History of Education.**—This course covers the educational theories and practices of the Greeks and the Romans, the decline of pagan and the rise and growth of Christian education, the rise of universities and the great Renaissance. It presupposes a knowledge of general or of Ancient and Modern History. Three hours, first semester.

2. **History of Education.**—Continuation of course 1. This course includes a consideration of the origin and growth of secondary and elementary education, the rise and development of science and scientific methods in education and the growth of modern school systems with their institutions and practices. Knowledge of European or Modern History prerequisite. Three hours, second semester.

3. **Principles of Education.**—Courses 1 and 2 should be taken as a preparation. Modern views of the meaning, scope, and aims of education, its methods, means, and institutions, the course of study and the educational value of the respective studies. General psychology prerequisite. Three hours, first semester.

4. **Principles of Secondary Education.**—This course includes a consideration of the aims and scope of secondary education and its relation to the work of the elementary school, the college and the practical activities of life. The program of study of high schools and their administration will receive special consideration. This course should be preceded by, or should parallel a course in the psychology of adolescence. Three hours, second semester.

5. **School Organization and Administration.**—The organization of elementary, secondary, and higher educational institutions, their relationship to each other and to social activities, their purposes and programs of study; the administration and supervision of schools in state, city, and rural communities. Three hours, first semester.

6. **School Organization and Administration.**—Continuation of course 5. Three hours, second semester.

7. **Training.**—Educational value of secondary school studies and the principles and general methods of teaching; observation of high school teaching, written reports and discussions. Three hours, first semester.

8. **Practice Teaching.**—Actual practice in teaching will be given in high school studies, usually in those which are in line with the student's major subject. Four hours, second semester.

9. **School Hygiene.**—Consideration of school buildings with respect to heating, lighting, ventilation, sanitation, and location; the hygiene of instruction, fatigue, and recreation, children's dis-

eases, medical inspection of schools, abnormal children, etc. Three hours, first semester.

NORMAL COURSES IN MUSIC.

1. **Harmony.**—Modulation, secondary seventh chords, chromatic passing tones, mixed chords. (This course corresponds with Harmony c of the High school.) Three hours, first semester.

2. **Harmony.**—Altered chords, enharmonic changes, suspensions, retardations, appoggratura, embellishment, organ point, harmonizing florid melodies, figured chorale, analysis. (Corresponds with Harmony d of High school.) Three hours, second semester.

3. **Difficult Quartette and Chorus.**—This course corresponds with Vocal Music e of the High school. Three hours, first semester.

4. **Opera.**—Selections from oratorio and opera. This course corresponds with Vocal Music f of the High school. Three hours, second semester.

5. **Concert Orchestra.**—Continuation of Orchestra c in the High school. Two hours, second semester.

6. **Normal Methods.**—Designed especially to aid grade teachers in their vocal work. Rudiments. Tonal tendencies in major and minor intervals; pitches, triads, signatures, dynamics, rhythms, note reading, and simple melody writing. One hour, first semester.

7. **Normal Methods.**—Course 6 required. Note reading, sight singing, decisions of problems involved in proper treatment and training of child voice. Chorus practice, and individual practice in singing songs suitable for primary grades. Methods. One hour, second semester.

DEPARTMENT OF PSYCHOLOGY AND PHILOSOPHY.

Professor Joseph Peterson.
Professor Nelson.

PSYCHOLOGY.

Students intending to do work in this department are advised to ground themselves as thoroughly as possible in general biology. The course in neurology is especially designed for the needs of students in psychology.

1. **General Psychology.**—This course covers in a general way the whole field of normal human psychology. A brief introductory study of the central nervous system will be made. A series of carefully arranged experiments are worked out. Each student will be required to write three or four papers on special topics, and to keep a carefully written journal of experimental work. Prerequisite, Physiology, Neurology, or some course in Zoology.

Texts: Angell's "Pyschology" and Seashore's "Elementary Experiments in Psychology."

Not open to first year students. Four hours, first semester.

2. **Genetic Psychology.**—Biological principles and theories of development; heredity; the origin and function in society of the genius, and his relations to the defective; the development of mind in children and youth with comparisons to the animal mind; etc. Practical observations of children's interests and meanings will be made. Several papers reporting results of observations and readings will be required. Prerequisite, course 1. Three hours, second semester.

3. **Advanced Psychology.**—A more technical study of such

topics as association, habit, attention, interest, volition, the development of meanings, etc. Much practice is afforded in collecting and organizing data. A number of long, well-written papers are required. Prerequisite, course 1. Three hours, first semester.

4. Advanced Psychology.—A continuation of course 3. Three hours, second semester.

5. Experimental Psychology.—A laboratory course designed for students intending to specialize in psychology, and aiming to give technique in the methods of investigation. A careful study of the special senses and of some of the more complex processes of consciousness. Six hours laboratory work and two lectures per week. Prerequisite, course 1. Four hours, first semester.

6. Experimental Psychology.—A continuation of course 5. Four hours, second semester.

(Courses 5 and 6 not to be given in 1909-10.)

7. Social Psychology.—A general study of the development of mind, from social interaction, into the complex forms manifest in modern societies. The nature and growth of the 'self,' suggestibility, mob-mind, fashions, conventionalities, customs, etc. Primitive and modern societies compared with respect to the operation in them of conservative and reconstructive forces. A series of carefully prepared papers, and reports on special investigations of local conditions, will be required. Three hours, second semester. (Not to be given in 1909-10.)

8. The Psychology of Childhood.—Problems connected with the growth of the child's mind from early infancy to the period preceding adolescence. Individualities and abnormalities will be considered with reference to educational needs. Observation work will supplement the readings and discussions. At least four long papers will be required of each student. The course is designed for superintendents, and for principals and

teachers of the elementary schools. Prerequisite, course 1. Three hours, first semester.

9. The Psychology of Adolescence.—Problems connected with the physical and mental growth during the period of adolescence. This course is designed especially for principals and teachers of secondary schools. Lectures, discussions, and reports on readings and observations. Several papers on special topics will be required of each student during the semester. Prerequisites, courses 1 and 2. Three hours, second semester.

Journal Club.—An organization will be effected with a view to the consideration of current research reported in American, English, French, and German periodicals, on psychology.

HISTORY OF PHILOSOPHY.

1. Ancient Philosophy.—After a brief resume of oriental speculations, the course will take up the beginnings of philosophy in Europe, and trace the evolution of Greek ideas as manifested in Stoicism, Epicureanism, Neo-Platonism, and the systems of the early Christian fathers. Four hours, second semester.

2. Modern Philosophy.—The course begins with a consideration of the factors causing a break between philosophy and theology, traces the gradual evolution of idealism as it culminated in the German school of thinkers, and closes with a consideration of the positivism of Compte and the evolutionary philosophy of Herbert Spencer. Four hours, second semester.

ETHICS.

1.—A critical survey of the development of ethical problems and theories. The genesis and nature of the individual conscience, or the sense of moral obligation. The meaning of "good" and "bad" and "right" and "wrong." The nature of motives and their relations to the development of will and character. The self and its relations to other selves. Prerequisite, Psychology 1. Four hours, first semseter. (Not to be given in 1909-1910.)

DEPARTMENT OF FINE AND APPLIED ARTS.

Professor Eastmond.
Professor Campbell.
Associate Professor Young.
Professor Laney.
Professor May Ward.
Professor Elliot.
Associate Professor ———

Opportunity is herewith given to young men and women who wish to acquire higher accomplishment in the fine and manual arts. In establishing arts and trades work, much will be done to perpetuate and develop western industrial pursuits; while a knowledge of the relationship of mind and hand, will promote an all-round development of character, and result in acquired skill, self-control, and refinement.

Fees.

A 50c. equipment fee is charged, per hour of credit, in all the courses of this department, excepting where a material fee is required. For some special courses, catalogued under Crafts work, a lesson fee is required.

Arts Lectures.

A series of special lectures is arranged by the director and faculty of the department. General educational ideals of the fine and manual arts are given. Hours arranged with director.

FINE ART COURSE.

Pictorial Art.

1. Composition and Representation.—Cast drawing. Study of line, dark and light, and the general principles of picture making and cast drawing. Emphasis upon aesthetic expression in representation. Three hours, first semester.

2. **Composition and Representation, continued.** Life drawing. Study of anatomy,—applied. Required, Pictorial Art 1. Three hours, second semester.

3. **Water Color Painting.**—General landscape and still life representation. Composition. Study of harmony, etc. Three hours, first semester.

4. **Water Color Painting,** continued. Three hours, second semester.

5. **Illustration.**—Study of reproduction, printing plates, etc., mediums, etc. Pose drawing. Composition. Practical illustration work Three hours credit, first semester

6. **Illustration,** continued. Three hours, second semester.

7. **Oil Painting.**—Objective and subjective landscape. Composition and color study continued. Portraiture and general figure work. Three hours, first semester.

8. **Oil Painting,** continued. Classic painting and illustration. Study of naturalism and impressionism. Composition continued. Three hours, second semester.

STUDIO WORK.

Outlines of work, and other instructions will be given by the director of the department. Special attention is given to the student by the professors and instructors and courses and lines of work are adapted as to qualifications and possibilities in regard to special desires and aptitudes. The studios are becoming fully equipped for all possible courses—both general and individual. The student on entering the studio, of course, pledges earnest work and mutual consideration. The studios are placed into the hands of the workers therein under the educational guidance of the teachers in charge. The opportunities are many for the gaining of knowledge concerning art. The general criticism method is used. Hours of credit arranged with instructor.

COURSES IN APPLIED ARTS.

Painting.

1. **Mural.**—Composition. Study of design influence, consistency, etc. Fresco work. Three hours, first semester.

2. **Mural.**—Continuation of 1. Scenery painting. Three hours, second semester.

Applied Design.

1. **Advanced Principles and Adaptation.**—Study of styles, historic motifs, color harmony, consistency, etc. Hours arranged with instructor, first semester.

2. **Advanced Principles and Adaptation,** continued. Hours arranged with instructor. Second semester.

Crafts Work.

Candidates may elect courses in wood-carving, Pyrography, Fabric staining and printing, leather modeling and carving, advanced basketry, china painting, etc. Required Applied Design 1 or 2 as a parallel course. Fees, credits, time, etc., arranged with instructor. First and second semester.

Domestic Art.

1. **Modern Point Lace.**—Lace stitches and development of designs in lace making, Domestic Art a, Design a and b, required. (see High school). Two hours, first semester.

2. **Point Lace,** continuation of 1. Two hours, second semester.

3. **French-laid Work and Montmellek Embroidery.**—Study of characteristic designs and adaptation. Color study. Requirements, Domestic Art a, Design a and b. (See High school). Two hours, first semester.

4. **Art Needle Work.**—Advanced work in French-laid and Montmellek embroidery. Roman cut-work. Design and color application continued. Two hours, second semester.

5. **Art Needle Work.**—Corrickma cross and Limerick lace. Design and color application. Requirements Domestic Art 1, 2, 3 and 4. Two hours, first semester.

6. **Art Needlework.**—Shaded embroidery. Design application. Requirements: Four courses in Drawing, Design a and b, and Domestic Art g. (See High school.) Two hours, second semester.

Shop Work.

Under the direction of the teacher, candidates may elect hours for advanced work done.

DRAFTING.

1. **Descriptive Geometry.**—Problems relating to the point, line, and plane. Surfaces of revolution. Intersection and development of solids. Shades and shadows. Three hours' recitation and two hours' drawing. Required, Geometry c, Draughting b, and, preferably, Mathematics 1. Five hours, second semester.

2. **Architectural Drawing.**—Study of the ancient and modern styles of architecture. Principles of perspective. Line and wash rendering. Four hours, first semester.

3. **Architectural Drawing.**—Continuation of 2. Invention of design. Drawing of fences, outbuildings, plans of grounds, stores, bridges, dwellings, etc., and a finished drawing. Four hours, second semester.

4. **Machine Design.**—Detail of parts of machines drawn to scale. Designing simple parts of machines. Patent office drawings. Two hours, second semester.

5. **Machine Design.**—Students will design machines com-

plete. Drawings will be made of all details, care being used to make them as they would be made where actual building follows the designing. Two hours, second semester.

6. Stereotomy.—Problems in stone cutting. Drawing for masonry structures. Two hours, first semester.

Shopwork.—Outlines of work, and instructions will be given by the director of the department. Special attention is given to the students by the professors and instructors and courses and lines of work are adapted as to qualifications and possibilities in regard to special desires and aptitudes. The studios are becoming fully equipped for all possible courses both general and individual. The student on entering the studio, of course, pledges earnest work and mutual consideration. The studios are placed in the hands of the workers under the educational guidance of the teachers in charge.

Woodwork.

1. Advanced.—Harmony and proportion, plain stair-building, and a general line of practical exercises with instruction in the designing, construction, and finishing of high-grade cabinet work, also sash and door work and joinery. Course d of the High school required, also Design a and b. Eight hours practice through the year, four hours credit.

2. Advanced.—Theory of building from drawings with practical illustration in roof-building, in plain and complicated forms, and a general line of carpenter work. Architectural drawing required before completing the course. Eight hours practice each week throughout the year. Four hours credit.

3. Advanced.—General problems in forming and selection of materials. Laying out work and supervising construction. Shops and buildings will be visited and studied. Two hours, first and second semesters.

Shopwork.—Under the direction of the teacher, students may receive credit for advanced work done.

DRESSMAKING.

The course is designed to fit young women for home work. The designing of dresses is studied from an artistic point of view, giving the opportunity to use originality, good judgment, and taste in adapting fashions to the form. The student is required to study physiology and physical culture as a means of understanding that the costume should be fitted to the well-developed, well-proportioned form, and not the form fitted to the costume.

1. and 2. Pattern Drafting.—Taylor made skirt-waist suits. Designing and making of fine muslin or silk one-pieced dresses made on shirt-waist draught. Two hours credit, throughout the year.

3. and 4. Pattern Drafting and Models, continued. Making of tight-fitting lined dresses. Princess slips. One-pieced dresses. Two hours throughout the year.

Note.—Students in dressmaking will be required to pay a laboratory fee $1.50 for each semester; 25c will be refunded at the close of each semester when locker key is returned. This fee is to keep machines in repair, pay for drafting paper, use of lockers, electric iron, tools, dress forms, etc.

Shop Practice.—We offer 16 hours credit in practical dressmaking. Two or four hours may be taken at a time, and students will be given special individual instruction.

In this department work is done for the public as in regular establishments. The advanced students are allowed to do some of this outside work under the supervision of the teacher and may receive renumeration. Shop fees arranged with director.

SUPERVISION COURSES.

1. Psychology and Method.—Educational ideals. Study of the possibilities of art training and the various phases of manual training in western schools—qualified by actual experience of the teacher. Consideration of the work of the kindergarten,

primary grades, grammar grades, high school, and college. Practicable courses and mediums. Actual experiment work with pupils. Study of art and manual training correlation. Text book used: "Mind and Hand," by Chas. H. Ham. Three hours, first semester.

2. Psychology and Method.—Continuation of 1. The making of courses of study. Three hours, second semester.

Laboratory Work.—Opportunity is afforded students to elect a certain number of hours' work for the purpose of qualification in Art and Manual Training for elementary and high school supervision and teaching. Special direction, training, and criticism are given. Time and credits. arranged with the director of the department.

1. Theory and Practice of Teaching Domestic Science.—This course is designed to present the methods of teaching Domestic Science in elementary and high schools. It includes a consideration of courses of study and the planning and presentation of lessons. The practical work consists in observing, assisting, and teaching classes, the planning of laboratory equipment, and assisting in departmental housekeeping. Two hours throughout the year.

2. Food Preparation.—This course is intended primarily for students preparing to teach. It deals with the preparation of food materials based on a knowledge of their composition and the chemical changes effected by heat and moisture, and indicates what cooking processes give best results in retaining nutritive principles in most digestible form. Special attention is given to (a) study of methods of preparation best suited to available forms of food materials; (b) study of recipes to determine how they carry out these principles and economize material, fuel, and labor; (c) study of effects of pleasing flavors, attractiveness and variety in serving, and methods of accomplishing these results with a minimum of labor and expense; (d) cost of food and marketing; (e) discussion of materials and recipes suitable for school use. Prerequisites—Domestic Science c. Fees arranged with instructor. Five hours throughout the year.

Note.—Candidates for special normal courses in Woodwork, Design, Drafting, Domestic Art, etc., will consult the director of the department.

The Normal School.

The Normal school provides for the technical and professional preparation of principals and teachers for public schools. During the fourth year the Teachers' College of the University is open to the normal students, and most of the courses are taught by college professors. The Church Normal Training school, which is established in connection with the University, furnishes an opportunity for the normal student to make practical application of the principles of education, methods of teaching, and school government. Practical school-room work in all the grades of the public schools is given in training under professional teachers.

Students who wish to specialize in any subject and prepare themselves for supervisors will be assigned additional work under special teachers. When they have completed the required work in the special subjects, it will be designated on their diplomas.

KINDERGARTEN COURSES.

Connected with the Training school is a Kindergarten department for the preparation of Kindergarten teachers. Students who complete the work in this department in connection with their training will receive a Kindergarten Normal diploma. Besides the professional preparation of teachers it is the aim of this department to give special training to women who have the care of children, and to others who wish to be aided by the thorough discipline and increased insight which the study of the Kindergarten system gives. The department gladly extends help to primary teachers, mothers, and other persons in the education of children.

The methods pursued lead to a harmonious development of the three-fold nature of the child, viz., the physical, the mental, and the spiritual. Universal truths, truths of love, beauty, kindness, unselfishness, honor, work, and respect for the rights of others are taught the child through play.

Those in training not only learn to lead the child to find and practice these truths, but are led to apply them in their own lives. Primary teachers will find the Kindergarten course especially helpful, because it leads them to the psychological study of children and teaches them the application of universal principles of life and work. To the Sunday school teacher this training is invaluable. Froebel himself says: "My system of education is based on religion and must therefore lead up to religion."

ENTRANCE REQUIREMENTS.

Applicants for admission to the Normal school must be at least fourteen years of age, and when not admitted on certificate, must pass examination in the following branches:

Arithmetic.—Fundamental principles; simple numbers; fractions (compound and decimal); percentage and interest. Werner's III Book in Arithmetic, or an equivalent.

Grammar.—Parts of speech, their uses and relations in connected discourse. Ability to analyze simple, complex, and compound sentences.

Geography.—Position,boundary, coast lines, and chief ranges and rivers of grand divisions; principal cities of the world and the geography of the United States. "Natural Advanced Geography," or an equivalent.

Reading.—Ability to read intelligently ordinary prose.

Spelling and Punctuation.—Ability to spell common English words and punctuate the simpler forms of sentences.

Penmanship.—Ability to write a free, legible hand.

Note.—Candidates failing in no more than three of the above subjects may be permitted to enter with conditions. These conditions must be worked off before the opening of the next school year after entrance. Candidates for admission to the Normal school who have completed the eighth grade work in any approved school, may, on presentation of their certificates, be admitted without examination.

GRADUATION.

Two grades of diplomas are offered. A Normal diploma which requires preparation to teach the grades of the public schools, with special emphasis on grammar grade work. A Kindergarten normal diploma which requires preparation to teach Kindergarten and primary grades of the public schools.

Fifteen units of credit are required for either diploma, which must include: for the Normal diploma, English 3, Mathematics 1, Science 2, History 1, Education 2½; and for the Kindergarten diploma, English 3, Science 1, Drawing ½, Manual Training ½, Elocution ½, Music ½, Education 2½. (For statement of units of credits and number of recitations per week, see tabulated list in the High school.)

COURSES IN EDUCATION.

Professor Brown.
Professor Eastmond.
Assistant Professor Aretta Young.
Director Binzel.
Director Dusenberry.
Instructor Larson.

PSYCHOLOGY.

a. Elementary Psychology.—A study of the fundamental intellectual processes and their physiological expression. The office of the teacher in stimulating mental activity. Lectures

supplemented with practical observations, introspection, and tests. First semester.

THEORY OF TEACHING.

a. Evolution of Methods.—This course deals with the aim and scope of education. The growth of educational ideals and systems as expressed by ancient and modern educators. A special study of modern ideals and practical school-room methods used in working them out. Relationship of educational factors, home, school, church, press, society. Lectures supplemented by individual research. Texts, Seeley's "History of Education," Thorndike's "Education." Second semester.

b. Methods.—Discussion of the educational value of the subjects of study. Methods studied from the standpoint of psychology. Students will prepare plans of recitation and outlines of studies. Discussion of school management, including organization, regulation, rewards, punishments, recreations. First semester.

TRAINING.

a. Class Work.—This course is taken in connection with Course b in methods, which lays the foundation for practice work. Students will prepare plans of recitation, subject to the criticism of the critic teacher and training supervisor; will teach a class three hours each week under observation. Subsequently they will meet in critic class, to discuss failures and successes. Students will receive suggestive plans, outlines, stories, poems, songs, gems, and practice in the art of story telling. First semester.

d. Department Supervision.—Much of the work of course a will be continued, varied by subject matter and grades. In addition the student will be given opportunity to correlate and control the work of an entire grade. Second semester.

NATURE STUDY.

The aims of this course are to supplant the formal object lesson and otherwise enliven and enrich the school curriculum; also to maintain a close relation between child life and nature, that school may be a continuous source of delight and inspira-

tion rather than a task. Take a child from nature during his school days and you cause an unnatural transformation through which he invariably suffers.

a. Collecting Material.—This course is for the purpose of teaching Normal students what to present and how much; how to collect and preserve material; also how to construct apparatus by which the laws and phenomena of nature may be demonstrated. The work will be adapted to the changes of the seasons. First semester.

b. Garden Work.—This course will be a continuation of course **a**, besides which there will be school garden work. Second semester.

KINDERGARTEN THEORY.

a. Gifts, Games, and Occupations.—The course includes the study of gifts, games, and occupations of the Kindergarten as taught by Froebel. Lectures upon the principles underlying the use of the gifts, games, and occupations are given, together with an opportunity to put the ideas thus gained into practice with little children, and under the supervision of experienced directors. Froebel's "Pedagogics" is used as a text-book in all gift work.

b. Mutter and Kose Lieder.—Special emphasis is placed upon the careful study of the 'Mutter and Kose Lieder," as it is the foundation of the entire Kindergarten system. It is made the center around which such other studies are grouped in the curriculum as will best aid in unfolding and illustrating its principles. Froebel himself says: "I have here laid down the most important part of my educational method."

c. Program Work.—Program work and its daily application in class work will be a matter of lecture by the Director of the Kindergarten and suggestions and discussions by the members of the class. Programs are based upon "Mutter and Kose Lieder." First and second semesters.

KINDERGARTEN PRACTICE.

a. Observations.—Each student is required to attend regularly a Kindergarten class, which will be assigned by the Direc-

tor of this department, and act as a cadet during the junior and senior years. During the year the cadet will spend her time largely in observation work and small duties assigned her in the Kindergarten.

b. Practice.—During the senior year she will devote her time to practical work with the children and spend a certain number of weeks in visiting other kindergartens. The Director of the Kindergarten will report regular attendance of students, for which credit will be given toward graduation on the books of the University. First and second semesters.

ARTS AND MANUAL TRAINING.

DRAWING.

a. Form Study.—Composition in line, in dark and light, modeling in clay. Nature or motif drawing. Brush drawing, leaves, flowers, fruit, applied in pictorial composition and in design. Object drawing. Practical blackboard drawing. Circular perspective, light, shade, and texture color study. Application work. Freehand perspective: distance represented in line, form, tone, and atmosphere. Object sketching; motives for landscape illustration. Illustrative sketching. Practical method work. Application of whole in cover designs and illustrated booklet, etc. Materials: paper, water colors, charcoal, wax crayon, pencil, etc. There will be a studio fee of 50c each semester, which is to furnish models, tools, etc.

Note.—Candidates who desire to continue Normal Drawing will consult the director of the department.

MANUAL TRAINING.

a. Correlative Handicraft.—Sloyd whittling, bench work, paper work, tag-board construction, straw-board construction. Clay work. Working drawing. Wire work, braiding, plaiting, weaving, basketry (especially with native material), etc. Application of design, correlation of art. Practical training with children. Laboratory fee of $1.00 each semester.

Note.—Candidates who desire to continue this subject will consult the director of the department.

The High School.

As the College of the Brigham Young University has evolved, step by step, through the grades of a preparatory school, it has necessarily left a well developed, well equipped high school.

Our High school faculty numbers more than sixty experienced teachers, a majority of whom are graduates from the best universities in the east and west. Their work is facilitated by class rooms and laboratories well provided with materials for efficient instruction.

ENTRANCE REQUIREMENTS.

Students who do not present certificates of graduation from the eigth grade, must pass entrance examinations identical with those of the Normal school.

GRADUATION.

Fifteen full units of credit are required of all candidates for graduation from the regular high school course. The following units are prescribed: English, two units; Science, two units; Mathematics, one unit; History and Civics, one unit.

TABLE OF CREDITS.

Owing to the fact that most high schools of the state are conducted on the plan of a 45-minute period of recitation, whereas this school gives one hour periods, it has been found necessary to adopt some other unit than the hour, in order to get a just basis for correlating credits, in the case of transfers to and

from other schools. A unit of credit, as outlined below, stands for the equivalent of one 45-minute period of recitation each day throughout the school year. In courses where the sum of periods of recitation is greater or less than this, the periods of preparation will be lengthened or shortened, so as to compensate. No credit will be given or recorded for work amounting to less than ½ unit.

FIRST YEAR COURSES.

	Recitations per week	Units of credit
Theology* a, b	4	½
Algebra* a	4	1
Physiography* a	3	½
English* a, b	4	1
Physical Culture* a (2 yrs.)	4	½
Physical Culture* b (2 yrs.)	4	½
German a	4	1
French a	4	1
Drawing a	3	½
Design a	3	½
Woodwork a	3	½
Ironwork a	3	½
Domestic Art a	4	½
Domestic Science a	4	½
English j and k	2	½
Spanish a	4	1
Commercial Arithmetic	4	1
Bookkeeping a, b	4	1
Typewriting a	4	½
Singing a, b	3	½
Piano Music	.....	.....
Orchestra a	4	½
Band Music a	4	½
Agriculture a, a1	4	½
Animal Husbandry a	4	½

*Theology a to h and English a to d are required of all students. All other starred courses should be elected by students expecting to continue College or University work.

SECOND YEAR COURSES.

	Prerequisites	Recitations per week	Units of credit
Theology* c, d		.....	1
Geometry* a (Plane)	Algebra a	4	1
English* c, d	English a, b	4	1
Botany* a		2	½
Physical Culture* a (2 yrs.)		2	½
Physical Culture* b (2 yrs.)		2	½
History a, b		3	1
Special Elocution a		2	½
German b	German a	4	1
French b	French a	4	1
Drawing b	Drawing a	3	½
Woodwork b	Woodwork a	3	½
Ironwork b or b-2	Ironword a	4	½
Domestic Art b	Domestic Art a	4	½
Dressmaking a	Domestic Art a or Design a	4	½
Domestic Science b	Drawing a or Design a	2	½
Spanish b	Spanish a	4	1
Correspondence	English a, b	3	½
Bookkeeping c, d	Bookkeeping a, b	4	1
Singing c, d		.....	½
Band Music		4	½
Orchestra b		.....	½
Design b	Drawing a or Design a	3	½
Horticulture a	Agriculture a	2	½
Agronomy a		2	½
Animal Husbandry d		2	½

*Theology **a** to **h** and English **a** to **d** are required of all students. All other starred courses should be elected by students expecting to continue College or University work.

THIRD YEAR COURSES.

	Prerequisites	Recitations per week	Units of credit
Theology* e, f		.....	1
English* e	English c, d	3	1
Physics* a	Geometry a	3	1
Physics* a-1		3	½
Chemistry* a		3	1
Chemistry* a-1		3	½
Nature Study		2	½
Physical Culture* a (2 yrs.)		4	½
Physical Culture* b (2 yrs.)		4	½
Psychology* a		4	½
History* c, d		3	1
German c	German b	4	1
French c	French b	4	1
Latin a		4	1
Normal Drawing a		3	½
Studio Work	Draw. b or Des'n b.	.....	½
Geometry b (Solid)	Geometry a	4	½
Algebra b	Algebra a	4	½
Theory a	Psychology a	4	½
Kindergarten Theory and Practice			1
Normal Manual Training a	Geometry a	3	½
Drafting a	Draw. a or Des'n b.	3	½
Woodwork c	W'd'k b or Des'n a.	3	½
Domestic Art c	D. Art a, Des'n a.	4	½
Dressmaking b	Dressmaking a	4	½
Domestic Science c		5	1½
Nursing a		2	½
Special Elocution b		2	½
Shorthand a		4	½
Law a		2	½
Civics		2	½
Singing e		.....	½
Harmony a, b		4	1
Agronomy b	Agronomy a	2	½
Horticulture b	Horticulture a	2	½
Ainmal Husbandry b	AnimalHusbandry a	2	½
Agricultural Botany		2	½
Forestry		2	½

FOURTH YEAR COURSES.

	Prerequisites	Recitations per week	Units of credit
Theology* g, h		4	1
English f, g	English d	3	1
English h	English d	2	½
English l		2	½
History and Civics b		4	1
Sociology a, b		2	½
Comparative Physiology	Chemistry a-1	4	1
Latin b	Latin a	4	1
Theory b	Theory a	4	½
Physical Culture a (2 yrs.)		4	½
Trigonometry a	Geometry b	4	½
Surveying a	Trigonometry	4	½
Training	Theory a	4	1
Kindergarten (Theory and Practice)	Theory a	4	1
Drafting b or b-1	Drafting a	2	½
Woodwork d	W'dw'k c,Dr'ft'g a.	3	½
Economics a		4	1
Shorthand b	Shorthand a	4	1
Singing f		3	½
Commercial Geography a		4	½
Harmony c		.....	½
Plant Pathology		2	½
Thremmatology		2	½
Agricultural Bacteriology		2	½
Horticulture c	Horticulture a, b	2	½
Horticulture d		2	½
Animal Husbandry c	Animal Husb. a, b.	2	½
Scientific Agriculture		2	½
Shopwork	Design a or Design b	.....	½
Studio Work	Drawing b or Design b	.....	½
Nursing	Physiology a	.....	½

*Theology **a** to **h** and English **a** to **d** are required of all students. All other starred courses should be elected by students expecting to continue College or University work.

COURSES IN THEOLOGY.

The aim in the courses here outlined is less to teach the facts of theology than to awaken the spiritual life; in other words, the intellectual aspect of religion is constantly counted of less moment than the development of a warm personal testimony of the Gospel. The theological work is the same in all of the schools, and practically all of the teachers are engaged in teaching this subject.

a. Book of Mormon.—History of its coming forth and relationship of the various books composing it. Students will read first half of the book. Reynolds' "Story of the Book of Mormon" may be used for reference.

b. Book of Mormon.—The second half of the book and external evidences of its divine authenticity.

c. Life of Christ.—The story of Christ's life will be followed as developed in the four Gospels, which students will be required to read. Special emphasis will be given to the principles He taught. Farrar's "Life of Christ" should be read for reference.

d. Apostolic Age.—The lives and missionary work of the Apostles as set forth in the New Testament will be taken up. Students will read the Acts, the Epistles, and Revelations.

e. Old Testament.—Historical relationship of the books in the Old Testament. Students will read the narrative portions of the text, including Kings, Chronicles, Samuel, Job, and Esther. Teacher will set forth the divine authenticity of the book.

f. Old Testament.—Students will read the poetic, didactic, and prophetic books of the Old Testament. Special emphasis will be placed on those prophecies which have their fulfillment in our day.

g. Church History and Doctrine.—The history of this dispensation of the Gospel, as set forth in the publications of the Church, will be followed. Special emphasis will be laid upon the divine mission of Joseph Smith; on which subject, Orson Pratt's "Was Joseph Smith Sent of God?" will be read.

h. Church History and Doctrine.—Continuation of g.

COURSES IN ENGLISH.

Professor Osmond.
Professor Nelson.
Associate Professor ————
Assistant Professor Reynolds.
Instructor Schofield.
Instructor Snell.

ENGLISH.

In the following courses in English the aim is to develop the power of oral and written expression and to cultivate a taste for good literature. Special attention is given to written composition and individual criticism of themes. In the courses in English literature prescribed reading is an important part of the student's preparation.

a, b. Grammar, Minor Classics, Elementary Rhetoric and Simple Exercises in Oral and Written Composition. Four hours throughout the year.

c, d. Review of Grammar, oral and written composition, rhetoric and classics. Throughout the year.

e. History of English Literature.—This course deals with the history and development of literary English. Lectures and

prescribed reading. English c and d required. Throughout the year.

f and g. Advanced Rhetoric.—This course deals with the principles of invention, narration, description, exposition, and argumentation, and special attention is given to oral and written composition. Throughout the year.

h. Debating.—This course trains students in public speaking. It consists of theoretical and practical work in argumentation. Original debates are briefed, written, and rehearsed for criticism. English d is required. Throughout the year.

j and k. Elocution.—This course aims to produce fluent and effective readers. Attention to diacritical marks, drill in pronunciation, articulation, and personal bearing occupy a portion of the time. Throughout the year.

l. Analytical Grammar.—The purpose of this course is to study the scientific basis of the English language. Much attention will therefore be given to diagraming, or the written analysis of sentences. Text-book: Whitney's "Essentials of English Grammar." Throughout the year.

COURSES IN FOREIGN LANGUAGES.

Professor Barker.
Professor Osmond.

Students associate the words of the foreign idiom directly with the mental image or idea; the foreign language becomes then an independent medium of thought, and is itself used as the instrument of further study. In order to secure a good pronunciation the student is carefully drilled in phonetic principles.

GERMAN.

a. Newson's First German Book, and Holzel's Wall Pictures of the Four Seasons. German questions, and grammatical exercises with blanks to be filled out, are given for home work. At the board, dictation of German questions, and in class, conversation in German, based for the most part on the pictures. As new words are met, they are associated at once with the object or the idea they represent. Throughout the year.

b. Newson's German Reader, and Holzel's Wall Pictures of the Home and of the City. In the second semester, selected nineteenth century classics. Snyonyms are used extensively to prepare for use of all-German dictionary, and students are aided in the use of the dictionary. Throughout the year.

c. Kron's Germany Daily Life, Hoffmann's Worterbuch der Deutschen Sprache, Heyse's Deutsche Grammatik, and eighteenth and nineteenth century classics. Direct German composition, and extempore speaking. Throughout the year.

FRENCH.

a. Newson's First and Second French Books, Holzel's Wall Pictures of the Four Seasons. Detail study of phonetics, in as far as it may aid the student in acquiring a good pronunciation and accent. Four hours first semester. Throughout the year.

b. Completion of Newson's Second French Book, also "Features of French Life" I and II, Auge's Grammaire Francaise and Benoit's Dictionaire Francaise. Classics. Throughout the year.

c. Grammar and dictionary as in **d.** Dr. Kron's "French Daily Life," and nineteenth century classics. French composition and oral narration. Moliere. Composition and extempore speaking. Throughout the year.

SPANISH.

a. Newson's First Spanish Book, and Holzel's Wall Pictures of the Four Seasons. Reading of easy prose. Throughout the year.

b. Dr. Kron's Spanish Daily Life, and selected classics, an all-Spanish dictionary and an all-Spanish grammar are used. Throughout the year.

LATIN.

a. Elementary Latin.—The reading and translating of simple sentences and paragraphs, illustrative of Latin inflections and syntax. The aim of this course is to furnish the student with a working knowledge of elementary Latin grammar, a liberal vocabulary, and ability to understand easy Latin prose. These acquirements fit the student to begin the study of Caesar's "De Bello Gallico" in the second year. Text book: Dr. Hale's "A First Latin Book." Throughout the year.

b. Elementary Latin.—The reading and translating of anecdotes and parts of Caesar's "De Bello Gallico." In this course the constant application of the principles of grammar learned in the first year, and the continuous strengthening of the vocabulary help to fix the Latin language in the student's mind, and make it a permanent possession. Text book: Kelsey's "Caesar's Gallic War." Throughout the year.

COURSES IN MATHEMATICS.

Professor Ward.
Professor Partridge.
Instructor Partridge.

ALGEBRA.

a. Elementary Algebra.—This course is designed for beginners and will include a careful consideration of the subjects treated in Stone-Millis' "Higher Algebra" to page 252. Throughout the year.

b. Elementary Algebra.—Stone-Millis' "Higher Algebra" completed. Required, Algebra a. Second semester.

GEOMETRY.

a. Geometry.—Wentworth's "Revised Geometry." Required, Algebra **b.** Throughout the year.

b. Solid Geometry.—Wentworth's Revised Geometry" completed. Required, Geometry **a.** First semester.

TRIGONOMETRY.

a. Plane and Spherical Trigonometry.—Crockett's "Plane and Spherical Trigonometry" complete. First semester.

SURVEYING.

a. Plane Surveying.—Second semester.

COURSE IN PHYSIOGRAPHY.

Professor Hinckley.
Instructor Buss.

a. Elementary Physiography.—This course is intended to be introductory to the study of the natural and physical sciences. It deals with the earth as the home of man. Two recitations and two laboratory periods (2 hours each) per week. Throughout the year.

COURSES IN HISTORY AND SOCIAL SCIENCE.

Professor Swenson.
Assistant Professor Jensen.

HISTORY.

a and b. Ancient History.—This course is planned for second year students, and covers the period from the earliest times to the fall of Rome. Throughout the year.

c and d. Modern History.—This course is planned for high school students, and covers the period from the fall of Rome until the present time. Throughout the year.

e. American History and Civics.—The expansion of England. The settlement and colonization of America, the Revolution, and the formation of the Constitution. This course will emphasize the constitutional development of the American nations. It also includes a critical study of the Constitution and of the political theories of the early American period. Channing's "History of the United States." First semester.

f. American History and Civics.—From the adoption of the Constitution until the present, including a discussion of the development of the government and the workings of political parties. In courses **e** and **f** maps, digests, and special reports will be required. Channing's "History of the United States." Second semester.

SOCIOLOGY.

a. Elementary Sociology.—Deals with the origin, natural history, and anatomy of a society. First semester.

b. Elementary Sociology.—Social psychology and pathology. Topics and assigned reading. Small and Vincent's "Introduction to the Study of Sociology." Second semester.

COURSES IN BIOLOGY.

Professor Chamberlain.
Assistant Professor Rasmussen.

COMPARATIVE PHYSIOLOGY.

A general course in animal and human physiology, developed by the comparative method . Laboratory study and experimentation are made the basis of the course. Throughout the year.

BOTANY.

Study in laboratory, field and class of a series of selected types from all the principal plant groups, with attention to the elementary facts of physiology and to ecology. Throughout the year.

COURSES IN PHYSICAL SCIENCE.

Professor Snow.
Professor Maw.

PHYSICS.

a. **Mechanics and Heat.**—Milikan and Gales' "First Course in Physics," will be used as text. Throughout the year.

NORMAL PHYSICS.

a-. **General Physics.**—Mann and Twiss,"High School Physics," will be used as a text. Repeated. First or second semester.

CHEMISTRY.

a. **General Chemistry.**—This course consists of three recitations and six hours laboratory work per week, throughout the year. The fundamental ideas of chemical science will be considered: the facts of chemical combinations by weight and volume; the atomic theory as at present developed in connection with chemistry; the chemical nomenclature and symbols in use; a general survey of descriptive chemistry of the elements and their compounds, inorganic and organic. Throughout the year.

a1. **General Chemistry (for Normals).**—This course consists

of five recitations and four hours laboratory work per week, during one semester. The fundamental ideas of chemical science will be considered. Special emphasis will be placed on the descriptive and practical side of chemistry. The chemistry of daily life will be constantly referred to. Special attention will be paid to the common poisons and their antidotes; methods of disinfecting rooms, etc. The laboratory work aims to teach facts in chemistry by observation, experiment, and induction. Repeated, first and second semesters.

COURSES IN PHYSICAL CULTURE.

Director Bennion.
Instructor Roberts.

The Gymnasium occupies the third story of the Training school building, a substantial brick structure 125 feet long by 65 feet wide. It is equipped with the best standard apparatus, and every opportunity for the physical training given by the best gymnasia of the land is here obtainable. The equipment includes four dressing rooms supplied with lockers, shower-baths, etc. Two year's work will entitle the student to a credit of ½ unit. Shorter courses will not be given credit.

a. **Physical Training for Men.**—This includes free-arm movements, dumb-bell and Indian-club drill, and apparatus work. Four times per week. Two or more sections will be organized, according to the number of applicants. Throughout the year.

b. **Physical Training for Women.**—Floor work and general exercises, dumb-bell and Indian-club drill, fancy marching, wand drills and lectures on the proper care of the body. Four times per week throughout the year.

SPECIAL COURSES IN ELOCUTION.

Instructor Roberts.

Aside from the regular courses as offered under the head of English, an opportunity is here given to receive special training in elocution and physical expression. Dramas and elocutionary recitals have occasionally been presented by this department, and students are frequently called upon to appear at meetings of the Literary society, upon Commencement programs, and at public entertainments generally. In this way they obtain the needed experience and practice in public speaking.

a. Training in Articulation, pronunciation, phrasing, emphasis and inflection. Physical exercise to insure proper carriage of the body, and proper freedom and grace movement. Breathing exercises. Vocal drill for tone placing, clearness, and purity. Voice training through the imagination. Aesthetic gymnastics. Studies in impersonation. Correction of voice defects and mannerisms. Reading and recitation. Throughout the year.

c. Pedagogical Aspects of Reading and Elocution.—Literary interpretation. Original work in pantomine. Study of dramatic scenes. Readings from Shakespeare. Studies in values, rhythm, and atmosphere. Original work in pantomine, and recitation. Literary interpretation. Criticism. Discussion of methods of teaching. Text book, Clark's "How to Teach Reading." Throughout the year.

TUITION FEES.

Private lessons—$1.00 per lesson (three-fourths hour).

Class of three—$15.00 each a semester (2 lessons per week).

Class of five—$10.00 each a semester (2 lessons per week).

Class of eight to twelve—$8.00 each a semester (2 lessons per week).

SPECIAL COURSES IN NURSING.

Dr. Hinckley.

a. General Nursing.—Introductory: nursing and nurses. Nursing as it pertains to the sick-room and hospital ward. Beds, bed making and bed sores. Food and administration. Medicines and their administration. Contagion and disinfection. Respiration, ventilation, warmth, observation of symptoms. Circulation, pulse, temperature. The skin, baths, massage, application. Kidneys, catheterization, bowels, enemata. Bandaging, fractures, dislocations. Nursing in obsterical cases. Nursing as it pertains to gynecology. Nursing sick children. Nursing in special medical cases. Nursing in emergencies, surgical and medical. Oral and written examinations. Throughout the year.

MISSIONARY COURSE.

A course for the preparation of missionaries will be given under the direction and supervision of the general missionary committee of the Church. This course will extend over two years, or to such time as in the judgment of the faculty the persons are prepared for missionary field work. Each student will be duly called by the general authorities of the Church, and will take the regular theology and one extra hour in theology each day; and he will also pursue such other studies as are deemed necessary to make him a fair representative of our people abroad.

The only entrance requirement to this course is the proper credentials from the authorities calling the person to this educational mission. The course in a general way will consist of theology, drill in reading and speaking, history, language, correspondence, and conducting meetings.

Students who desire may take any line of work in the institution for which they have a special aptitude and the time. Tuition for the missionary course will be free for the general

course. They will, however, pay for courses elected outside of the missionary course.

COMMERCIAL DEPARTMENT.

The work of the Commercial department is co-ordinate with the work of the High School. The courses of study are arranged to meet the various classes of students who enter. Students who are not prepared to take a four-year course, may with profit take two years' work, specializing either in Bookkeeping or Shorthand; or if they have the necessary preparation, they may complete the Bookkeeping or Shorthand in one year.

ENTRANCE REQUIREMENTS.

Students may enter at any time, though it is better to commence at the beginning of a semester. Applicants for admission must be at least fourteen years of age and give evidence that they are able to carry the work successfully.

GRADUATION.

Fifteen units of credit are necessary to graduate from this department. Two units in English will be required of all students. Those specializing in Bookkeeping with be required to furnish 3 units in Bookkeeping, and Commercial Arithmetic; and those specializing in Shorthand will be required to furnish 2½ units in Shorthand and Typewriting. Upon the successful completion of fewer than fifteen units of credit, the student may receive a certified statement from the Registrar of the work done.

COURSES.

The courses that pertain particularly to the Commercial department are: Bookkeeping, Commercial Arithmetic, Short-

hand, Typewriting, Correspondence, Civics, Commercial Law, Parliamentary Law, Commercial Geography, and Economics.

Courses in Theology, English, Algebra, Geometry, History, etc., which students of the Commercial department are expected to pursue, are listed in the High School courses on pages 64-7 of this catalogue.

Students cannot take the first courses in Bookkeeping and Shorthand during the same semester.

BOOKKEEPING.

Professor Keeler.
Assistant Professor Glade.
Instructor Maycock.

Students with no previous preparation are first assigned work in the Theory department. This consists of lectures on the Science of Accounts with practical illustrations in debit and credit. The student next learns to "keep books" in double entry by a variety of methods, designed to illustrate various labor-saving journals and devices; and to explain wholesale, retail and commission business, etc. Along with this work he is required to make out invoices of goods, statements, balance sheets, and to draw up notes, drafts, and checks according to legal and approved forms.

a. **Science of Accounts.**—This study takes up commercial forms and business principles. The work is largely practical; i. e., making out business papers, opening, posting, and closing books, etc. First or second semester.

b. **Science of Accounts.**—Continuation of a, including commission business. First or second semester.

c. **Business Practice.**—Here actual business is carried on. The capital invested is Commercial school currency. Buying and selling in the strictest sense becomes, therefore, an every-

day experience of the student. He rents places of business, and makes out the leases; buys real estate and makes out the deeds; pays freight and express charges for goods received over the Commercial students' railway; makes out invoices of goods sold, draws up notes for things bought on time; deposits money; in fact, he does business in a natural and sensible way, just as it is done every day. Also a brief course in theoretical banking and corporation bookkeeping. First or second semester.

d. Banking and Expert Bookkeeping.—Here the student takes his turn in the various business offices and banks. At one time he is wholesaling goods; at another he is in the real estate business; then he is freight agent; and so he occupies positions which develop skill and ability and give valuable experience. This course also embraces a very extensive study in the theory and practice of banking. Auditing accounts, putting in order books out of balance, and straightening old accounts, also form part of this course. First or second semester.

COMMERCIAL ARITHMETIC.

Assistant Professor Glade.
Instructor Maycock.
Instructor Hayes.

This study is all that its name implies—arithmetic for business men. Many students on entering the Commercial school need a little "brushing up" before they are able to enter upon this subject. These will find proper places in some of the many arithmetic classes taught daily in the grades and the Sub-high school.

a. Commercial Arithmetic.—Special attention is given to the applications of percentage, and practice in rapid calculation. First or second semester.

b. Continuation of a.—Special attention is given to interest, true discount, bank discount, commercial paper, partial payments, stocks and bonds, averaging accounts, and partnership settlements. First or second semester.

LAW.

Professor Keeler.
Judge Booth.

Every man should be his own lawyer—more for the purpose of keeping out of difficulty than of getting out when in. The student is made acquainted with those features of law that every business man should understand.

a. **Commercial Law.**—Lectures supplemented by textbooks. This study embraces the subjects of contracts, agency, partnerships, corporations, guaranty, sale of goods, commercial paper, real estate, etc. Richardson's Commercial Law. Throughout the year.

b. **Parliamentary Law.**—Rules governing the proceedings of legislative bodies, societies, and public gatherings. First semester.

c. **General Law.**—Lectures on the manner of passing laws, proceedings in court, etc. First or second semester.

CIVICS.

Professor Keeler.

a. **Civil Government.**—The making of the American government, the state government, and the national government. Throughout the year.

CORRESPONDENCE.

Professor Holt.

To write a business letter and say just what should be said without unnecessary words, and have it free from errors in form and composition, is an accomplishment which few possess. It is demonstrated, however, that those who take this course in correspondence soon develop a remarkable ability for letter-writing. This branch is most important; for young people must learn sooner or later that to save time in business correspondence is one of the means to acquire wealth and lengthen life.

a. Business Correspondence.—The art of business and social correspondence from the best models. Second semester.

SHORTHAND.

Professor Holt.
Instructor Preston.

The value of Shorthand is unniversally recognized. Business men have learned that there is a better and easier way to conduct their correspondence than by the tedious pen process. They have discovered that correspondence which formerly consumed the day, may now be disposed of in a few minutes. This has opened the way for the professional amanuensis, and has provided an army of young people with remunerative employment.

a. Shorthand Principles.—A careful study of the principles of Shorthand as contained in the Phonographic Amanuensis, by Jerome B. Howard. First or second semester.

b. Dictation.—Writing of unfamiliar matter from dictation, and making transcripts of same upon the typewriter. The ability

to do neat, accurate and rapid work, is the purpose of this course. First or second semester.

TYPEWRITING.

Instructor Preston.
Instructor Walker.

a. Elementary.—Learning of the keyboard, and the care and use of the different parts of the machine. Practice exercises consist of words, sentences, business letters, and commercial forms. Throughout the year.

COMMERCIAL GEOGRAPHY.

Assistant Professor Glade.

This subject will be treated under the following heads: the relation of geography and commerce; climate and commerce; the forest; the man element in commerce; mineral products; trade of the Western hemisphere; trade of the Eastern hemisphere. First semester.

Note.—Students of the Commercial department may elect studies fro many other department of the High school without extra expense, except laboratory fees.

DEPARTMENT OF MUSIC.

The department of Music gives theoretical and practical instruction in branches indispensable to the educated musician. By a participation of many in the same studies, a true musical feeling is awakened, giving an advantage over private instruction, promoting industry, and preventing onesidedness against

which every singer and player during years of training should be on his guard. By miscellaneous programs, concerts, recitals, daily choir, chorus, and band drill, pupils are afforded opportunity to become accustomed to public performance, and are thereby better able to satisfy the demands which the public makes. Courses extend over four years. Each pupil applying for admission will be given an examination by which it will be ascertained whether he possesses talent requisite for enrollment, and if so, to which grade he should be assigned. Pupils exhibiting sufficient preliminary knowledge can at once be placed in upper classes. Where foundation work has been slighted, such pupils may, however, be required to attend lower classes to make up the deficiency.

DIPLOMAS.

A diploma wil be given where the student has 15 units of credit, provided those credits shall include the following:

English	2	units
History, Science, and Mathematics	3	"
Modern Language	1	"
Orchestra, Band, or Vocal classes	1½	"
Instrumental or Vocal	3	"
Theology	2	"
Solfeggio	½	"
Harmony and Composition	1	"

CONCERT AND RECITALS.

The Committee on Lectures and Socials brings from far and near, the best obtainable talent. Noted singers and players, and even great symphony orchestras, have filled successful engagements with us; the large number of students serving to place admission fees within easy reach of all. Recitals are held each Wednesday at 12 p. m., in which the teachers and advanced students take part. Thus a varied musical atmosphere is pro-

vided free. This has proved itself a source of culture and inspiration to all.

COURSES IN VOCAL MUSIC.

Professor Lund.
Professor Reid.
Instructor Johnson.
Instructor D. E. Reese.

The singing classes of the University have attained an enviable reputation throughout the inter-mountain region. Several hundred students begin to train their voices each year. Some of Utah's finest singers, now well on their way to fame, received their instruction in these classes.

The entrance tuition to the Music department entitles the student to all other High school and Normal courses required for graduation.

Entrance tuition does not entitle students to private lessons, which must always be arranged with the teacher. It is the policy of the department to bring beginning students frequently before the teacher,—preferably by two students at a time. The divided period will count as a half lesson only.

Private students must in the graduating year take at least two lessons per week. Teachers are not allowed to assign time for lessons until financial arrangements have been made with the registrar.

To encourage Band music, the special fee paid by the student for the band will entitle him to all the Band instruction as heretofore, and also entitle him to private instructions from the teachers of the Band instruments to the full amount of the tuition paid. This is in view of the fact that pupils who cannot play correctly alone must first be prepared for ensemble work. An extra fee will be charged for solfeggio, and music history as follows: Music history, $4.00 for the year; solfeggio, $5.00 for the year. Class instruction, which is open to High school and Normal students free of charge, does not include Harmony, Composition, Solfeggio or Music History

COURSES IN VOCAL MUSIC.

Professor Lund.
Professor Reid.
Instructor Johnson.
Instructor Reese.

SINGING.

The singing classes of the University have attained an enviable reputation throughout the inter-mountain region. Over two hundred students begin the training of their voices in this school every year. Some of the best of Utah's singers, now well on their way to fame, received their instruction in these classes.

a and b. Reading, Voice-Building and Part Singing.—Throughout the year.

c and d. Style Anthems and Expression.—Criticism, easy chorus. Throughout the year.

e. Difficult Quartette and Chorus.—Throughout the year.

f. Opera.—Selection from oratorio and opera. Throughout the year.

PIANO MUSIC.

Professor Reid.
Professor Lund.
Instructor Borg.
Instructor Clarence Hawkins.

a. Major Scales. Kohler's First Little Pieces.

b. All Scales. Kuhner's First Book of Etudes.

c. Scales in Thirds. Scales in Sixths. Arpeggios. Kuhner's First Book of Instructive Pieces.

d. Scales Double Thirds; Double Sixths. Kuhner's second and third books of Etudes.

e. Fertigkeit—Czerny. Germer Technic. Kuhner's Fourth Book of Instruction.

f. Sonatas. Beethoven. Lighter pieces from Chopin, Grieg, Schumann, Mendelssohn, etc. Appropriate selections from standard authors will be given.

g. Advanced technic work; Bach's Preludes and Fugues. Sonatas and pieces from standard composers and some of the lighter ensemble playing.

h. Preludes and Fugues and Concerto.

COURSE IN VIOLIN MUSIC.

Professor Gudmundson.

a. Correct Position of Violin and Bow.—Hohmann's Book 1 and 2. Blumenstengel scales in first position.

b. Continuation of Hohmann's Studies in Book 3 and second and third positions of Book 4. Scales and arpeggios in three positions.

c. Completion of Hohmann's Book 4, covering fourth, fifth, sixth and seventh positions. Begin the scales, arpeggios, and studies for promoting dexterity, by Schradieck, Book 1.

d. Hohmann's Book 5, with exercises and duets covering all positions. Continuation of Schradieck's Book 1. Begin Blumenstengel's twenty-four Etudes.

e. Continuation of Schradieck's Book 1, and Blumenstengel's twenty-four Etudes. Begin Schradieck's Book 2 for double-stops.

f. Begin Kreutzer's Forty-two Caprices. Schradieck's Book 3 for modes of bowing. Continuation of scales.

g. Continue Kreutzer's Forty-two Caprices. Begin concertos and concert pieces by the masters.

h. Finish Kreutzer's, Concertos and Concert Pieces.

Credit in the above courses will be awarded by the teacher at the close of each semester. The number of hours will be determined by the amount of time put in by the pupil and the degree of efficiency attained.

ORCHESTRA MUSIC.

Professor Gudmunson.

a. Foundation Work.—Students entering this work must be able to play their instrument so that no time will be taken from the class for fundamental instructions in playing, which should already have been learned in private lessons. Material used: Easy arrangement of overtures, operatic selections, dances and miscellaneous music. Throughout the year.

b. Concert Orchestra.—This organization takes part in the concerts and various entertainments where the extent of the school orchestra work can be judged. Thirty members constitute the present membership. Students who have had experience sufficient to take this work may do so, provided the instrumentation of the orchestra will be correct. Throughout the vear.

Harmony c and d.—A course in form and composition will be given three hours each semester.

BAND MUSIC.

Professor Sauer.

a. Beginners Class.—The fundamentals of music, as pitch, staff, clefs, time, signatures, scales, keys, etc., and the playing of an instrument. The course considers how to interpret music, style, embellishment, expression, tone, time, breathing, and other details. Material used: Easy overtures, selections and dances. Three hours practice throughout the year.

b. Concert Band.—Open for those who have completed course a. This band takes part in the concerts and other entertainments. Individual members will be trained in the art of conducting. Four hours practice, throughout the year.

Private Instruction by Professor Sauer will be given on following instruments: Bassoon, String-Bass, Cornet, Baritone, Tenor, Alto, Trombone, Bass, Drums.

CORNET AND TROMBONE.

These instruments can be confidently recommended. They offer opportunity for practical use, and nearly every where fair returns in wages. The students who play these instruments can well afford to take private lessons, which should precede work.

Note.—It would be well for those who do not have an instrument, and who intend purchasing one, to consult the instructor.

THEORETICAL COURSES.

C. J. Hawkins.

SOLFEGGIO.

This course provides the music student with a good systematic drill in ear-training, sight-singing, and the fundamental principles of music. Students are taught to know how music sounds by looking at the printed page, also to write a melody after hearing it played.

a. Drill in Major and Minor Key Signatures.—Spelling all major and minor scales rapidly, interval reading, ear-training, singing easy intervals. First semester.

b. Ear-training (single intervals, triads, seventh chords, and their inversions), sight-singing. Dictation exercises. Second semester.

THEORY OF MUSIC.

Through this course the student becomes acquainted with the architectural side of music. Learns that musical ideas do not follow each other in a hap-hazard way, but that they always conform to some well defined plan.

a. Acoustics.—A study of the physical laws of music, which enables students to comprehend the principle on which each instrument is constructed, and to account for the different qualities and character of musical sounds. The tempered scale, pitch and its perception. Laws governing rhythms, tempo-marks, accents, natural and artificial grouping, metronome marks, embellishments, etc. Meter—All the different meters taken up in their relation to hymnology. First semester.

b. Musical Form.—Figure treatment, leit-motif, all the simple song-forms studied and analyzed; sonata forms, vocal

forms, contrapuntal forms, canon, ending with an analysis of the fugue. Second semester.

HARMONY.

This teaches the student to think in combinations of sounds, or chords, also studies the laws governing the succession of these chords.

a. Short Review of Rudiments of music, scales and intervals. Principle triads and their inversions, cadences. The dominant seventh chord. First semester.

b. Secondary Triads and Inversions.—Dominant ninth chord, diminished seventh chord, modulation. Second semester.

c. Modulation Continued.—Secondary seventh chords, chromatic passing tones, mixed chords. First semester.

d. Altered Chords, enharmonic changes, suspensions, retardations, appoggratura, embellishment, organ point, harmonizing florid melodies, figured chorale, analysis. Second semester.

MUSIC HISTORY.

This course is essential to music students. It broadens them, and helps them to understand and appreciate their art. We first study the beginnings of music, the origin of some of the earliest instruments, early Chinese music, ancient Egyptian, Hebrew, Greek, and Roman music. The beginning of opera, development of pianoforte and organ, oratoriac and religious music, lives of great composers, and their influence in music, ending with a discussion of the musical influence of the present.

This course teaches us to understand the different epochs of music, how composers are influenced by other composers, and how music grew from the crude imitation of nature to the fine art of today.

WOODWIND.

C. T. Hawkins.

This department offers the woodwind student exceptional opportunities. A woodwind club will be organized for those students who are sufficiently advanced, and will rehearse once a week with the purpose of doing concert work.

Private instruction will be given on the following instruments, and the course will aim to prepare practical musicians, and, further extended work will be given for artist pupils.

Clarinet, Flute, Obe, Saxaphone, Cornet, French Horn, Slide Trombone.

PUBLIC SCHOOL MUSIC.

The course is not to prepare students to do work as music teachers or supervisors, but to aid the grade teachers in their work.

a. Rudiments.—Tonal tendencies, major and minor intervals, pitches, triads, signatures, dynamics, rhythms, note reading, and simple melody writing.

b. Rudiments Continued.—Note reading, sight singing; discussion of problems involved in proper treatment and training of child voice; chorus practice and individual practice; singing of songs suitable for primary grades. A consideration of methods, etc.

DEPARTMENT OF ART AND MANUAL TRAINING.

The purpose of this department is to develop more fully the power of brain, strength of character, and skill of hand. An incidental aim is to cultivate self-control, and establish an appreciation of beautiful and skilled expression in the fine and constructive arts,—in other words to educate the user to appreciate more fully the art of the maker.

With the arts and crafts, as a medium, the innate activity is cultivated, and manual training promoted, both of which are necessary to the artist, the craftsman, or the mechanic.

Because of the influence which objective nature has upon the productive sense, it is necessary that the brain become more and more sensitive to all forms of beauty, that there may be true grace as well as consistent form in construction.

In the drawing and art work, opportunity is given (a) to the student who ultimately wishes to become an artist; (b) to him who wishes to apply art to mechanism—in other words, make of himself an artist-craftsman or designer; and (c) to him who is preparing to become a teacher or supervisor.

In the manual training work, the fundamental principles of construction are given in the lines of work offered. The work is especially adapted to the conditions and opportunities of this region. Emphasis is placed upon the study and possibilities of native materials and their use in industrial work. Believing that all real homes must have women of practical, cultured training in household science and economics, the institution offers courses that best answer that purpose.

GRADUATION.

This department offers diplomas in the following lines of work: (1) General Art with Drawing or Design emphasized; (2) General Manual Training with Woodwork, Ironwork, or Drafting emphasized; (3) General Household Economics, with Domestic Science, Domestic Art, or Dressmaking emphasized.

Fifteen units of credit are required for graduation, and must include: English, 2 units; Science, 1 unit; Mathematics, or History and Civics, 1 unit; Manual Training (Drafting, Woodwork, Ironwork, Domestic Science, Domestic Art, or Dressmaking), or Art (Drawing, Design, Studio Work, Craftswork), 3½ units.

FEES.

An equipment fee of $1.00 each semester is charged in the various ½ unit courses, excepting in courses where a material or

supply fee is charged (Dressmaking, Domestic Science, and Ironwork). This equipment fee is to replenish tools and machinery and to furnish models, etc.

LECTURES.

A series of lectures is arranged by the director and faculty of the department to benefit the students in a general educational manner. Credits, etc., arranged with the director.

ART COURSES.

DRAWING.

a. Form Study and Expression.—Creative expression (geometric) in line, in dark and light, mass, etc. Representation in clay. Correlative work with Physiography, Zoology, Botany, Literature, etc. Brush drawing. Object drawing, involving circular perspective, dark and light, light and shade, texture expression and suggestion. Color study. Application work. Freehand perspective; distance representation in line, values, etc. Sketching from nature. Illustrative sketching and creative expression.

b. Form Study and Expression.—Continuation and review of a. Brush drawing. Study of artists and their works. Water color work. Cast drawing. Emphasis placed upon animal drawing and pose drawing. Application work. Anatomical study and drawing. Pictorial composition introduced.

DESIGN.

....**a. Elementary.**—This course is introduced to benefit students of all lines of applied arts, domestic science and manual arts. The principles of art as applied to form and decoration of mechanism and handicraft; geometric unity, correlation of art and crafts; furniture design. Attention is given to the beauty

of form and line in nature for subjective use. Table decoration. Adaptation of ornament to geometric form. Two hours credit. Drawing **a** is required for this course.

b. Elementary.—Continuation and review of **a**. Color study emphasized. Emphasis is on motif drawing and color scheme work.

ELEMENTARY STUDIO WORK.

Supplementary work in Drawing and Design, may be arranged with the director.

COURES IN MANUAL TRAINING.

DRAFTING.

a. Mechanical Drafting.—Use and care of instruments, mounting of paper, lettering, geometric figure drawing, projection, intersection of solids and development of surfaces. To be continued throughout the year. Text Book: Architectural Drawing, by C. F. Edminster.

b. Architectural Drawing.—Projection of shadows, instrumental perspective. To be continued throughout the year. Required: **a** and **b**. Text: Architectural Drawing by C. F. Adminster.

b-1. Machine Design.—This course begins with the drawing of elementary parts of machines. Plan and elevation drawings; methods of representing sections, concluded with finished drawings for the pattern shops. Throughout the year.

Note.—A 50c laboratory fee per hour credit is charged in the above courses, which is to supply general equipment, models, etc.

Shop Work may be arranged with the Director.

WOODWORK.

a. Elementary.—Adjusting, care, and use of tools; practice in making the various joints used in cabinet work, and the application of these joints in making simple articles. Making a working drawing in the drafting room of each problem taken up will be a part of the course. Drawing a is required as a collateral. Throughout the year.

b. Elementary.—This course gives more extended application of the use of joints and principles given in the previous course. Simple wood finishing and turning will be taken up the second semester. Working drawings will be part of the work as in the previous course. Throughout the year.

c. Elementary.—The work in this course will be done from blue-prints. More advanced turning and wood-finishing will be taken up and the selection of wood discussed. Also practice in saw filing. Throughout the year.

d. Elementary.—Complicated pieces of cabinet work will be taken up, two or more students working on the same piece. Wood carving and simple sash work, with more practice in filing saws. Drafting **b** required as collateral. Throughout the year.

IRONWORK.

a. Elementary.—Explanation of tools and materials. Squaring, welding, twisting. Elementary principles of blacksmithing.

Either of the following courses may be given:

b. Continuation of Forging.—The making of tools, such as wrenches, picks, hammers, etc. Work in steel; steel and iron welds, springs, tire setting and scroll work. Throughout the year. throughout the year.

b2. Machine Shop Work.—This course includes the following: filing, chipping, and hand fitting. Lathe work is designed to

cover all the ordinary operations in turning to form, boring and chucking in the lathe. The grinding of tools, thread-cutting, eccentric and face-plate work. Polishing and good finish is required upon all machine work.

Instruction in the use and care of machinery is given throughout the course. Draughting a or Design a should be taken as a parallel course. Throughout the year.

SHOP WORK.

Elementary shop work may be arranged with the director of the department.

COURSES IN DOMESTIC ART.

Each student must be provided with all required materials for course. A 50c fee is charged in the courses where machines are used.

a. Hand Sewing.—Fundamental elements of sewing, the various stitches, and their application in making simple articles. Darning and mending. Study and care of sewing machine. Elements of sewing and their application in the making of lingerie; scientific development of patterns; study of materials, etc. Donestic Art a required. Throughout the year.

b. Hand and Machine Sewing.—Hemming, marking, and mending of table linen; making of articles of fine lingerie continued. Rolled hemming, trimmed underskirt and combination suit. Throughout the year.

c. Mexican Drawn Work, first semester, and Hardanger embroidery second semester. Domestic Art a and Design a rerequired. Throughout the year.

COURSES IN DOMESTIC SCIENCE.

a. Food Preparation.—An inductive study of food materials and fundamental principles of cookery. Practice given in cooking vegetables, cereals, eggs, and meat; and in making bread, cake and simple salads, and desserts. Two periods per week of two hours each, throughout the year.

b. Home Sanitation and Economics.—This course includes the following topics: elementary bacteriology; situation and surroundings of dwelling; construction of foundation and cellar; heating and ventilation; water supply; disposal of waste; and plan of house, its furniture, decoration, and care. Two periods per week of one hour each throughout the year.

c. Food and Dietetics.—This course includes the following topics: (a) food preservation; (b) classification; nutritive value, digestibility, cost, and changes produced in cooking food materials; (c) effect of age and occupation upon the amount and kind of food needed by the body; (d) principles of feeding in disease.

Practice given in the following: (a) putting up fruit and vegetables; (b) fancy cooking; (c) preparing food for the sick and convalescent; (d) the planning, cooking and serving of meals. Three periods of one hour each and two periods of three hours each, throughout the year.

COURSES IN DRESSMAKING.

a. Making of models used in shirt waist making. Drafting and developing of patterns. Plain shirt waists, collars, cuffs, drop-skirts and plain outside skirts. Domestic Arts **a** and **b** required. Drawing **a** required. Throughout the year.

b. Drafting.—Models in faggoting stitches.. Trimming with lace, shaping of yokes. Making of fine white waists. Les-

sons in outline of dress forms. Boned girdle. Plain shirt-waist suits. Design a and b required. Throughout the year.

Students in Dressmaking are required to pay a laboratory fee of $1.50 each semester; 25c will be refunded at the close of each semester, when locker key is returned. This fee is to keep machines in repair, to furnish drafting paper, use of lockers, electric iron, tools, dress-forms, etc.

DEPARTMENT OF AGRICULTURE.

The Science of Agriculture has grown rapidly during the last few years. The man who understands his work can now make a better and easier living on the farm than in most of the over-crowded professions. Moreover, there is a steadily growing demand for teachers of Agriculture and for Agricultural investigators and experts. Clear-headed young men, who are reading the signs of the times, will qualify themselves for Agricultural work, and thus reap the profits, financial, intellectual, and moral, that are awaiting those who join the most rapidly growing profession of the day.

The school gives practical and theoretical instruction in the various lines of Agricultural work; especially Agronomy, Horticulture, and Animal Husbandry. It aims especially to prepare young men for actual and profitable work on the farm. To meet the growing demand for teachers in Agricultural lines, provisions are made also for the training of young people to take up this line of work. In order to put the mass of the student body into closer touch with the great problems continually confronting the people of this intermountain region, and to give them a broader sympathy with the rural life of the people among whom they will work later, ways and means are being provided for the diffusion of Agricultural information among all classes of the students.

The four-year high school course in Agriculture, leading to a diploma, is offered to the regular students of this department.

Those who complete the prescribed subjects are prepared for practical work on the farm or for the teaching of Agriculture. The course is so arranged that graduates from it who desire college work, have the necessary preparation for entering the Teachers' College of this University or any other of the leading colleges of the country that he may select. A two years' course is offered for those who are unable to give more time to school work, and who wish to prepare themselves, as well as possible, for successful farm life. This course differs from the regular high school course in that it contains more subjects of strictly agricultural importance than are given in the first two years of the regular course. Those who complete this course and desire to continue on with the regular course will be allowed to do so. For such students a literal substitution will be allowed during the succeeding two years.

Besides these regular courses, a Special Farmers' Course of five weeks will be given to ambitious farmers who are willing to sacrifice that much time in order to learn some of the modern revelations concerning Agriculture. This course begins at the opening of school after the Christmas holidays. Special students, who desire simply a general acquaintance with modern Agriculture, are welcomed. To further promote the diffusion of Agricultural information, the teachers of the Agricultural department will always hold themselves in readiness to deliver lectures at Farmers' Clubs, Institutes, and other meetings as they may be called upon to do so.

A competent teaching force in Agriculture has been secured. The teachers have had considerable experience in teaching and practice of this important science. Besides, they have all had first-class scholastic training. They are all western men and understand western conditions. The work of the school of Agriculture is thoroughly modern, and especially adapted to western needs.

To supplement the work of the Faculty, men of experience, who are eminently successful in the various fields of endeavor, will be invited to the University to lecture to the students of the school. To these lectures all the students of the University will be welcomed.

Every endeavor will be made in the presentation of all of

the courses outlined to be as thorough and as practical as is consistent with the training of the student and in keeping with good education. Whenever possible in all the courses, general principles will be illustrated by experiments in the laboratory and in the field. At all times the student will be kept in touch, through the publications, with our own and other experiment stations as well as with the Agricultural Department at Washington, D. C.

GENERAL AGRICULTURE.

Professor Merrill.

a. Elementary Agriculture.—This is a course introductory to the science of Agriculture. The aim is to give the students a general insight into the subject of Agriculture, and to lay a foundation for future work. Such fundamental questions as, soils and how to treat them, the plant in its relation to the soil, air and water, and the relationship which the various branches of Agricultural Science have to each other, will be considered. Required of students in the first year of the Agricultural course and elective to others.

a1. Winter Course Agriculture.—This course is designed for students who find it necessary to enter for the winter semester only. The subject matter is very similar to course **a**. Students entering on this course and desiring to complete the first year's work, should arrange at the opening of the second semester to keep in touch with the work given in Horticulture **a**, so that they may be able to enter this course and do the work.

Arrangements will be made in the more advanced courses for students who have already completed the winter course and who return for the second time to pursue winter work at the University. Four hours, winter semester.

AGRONOMY.

a. Soil Physics.—This course is a detailed study of soils and soil types. It treats of such topics as origin and formation of oil, chemical and physical composition and the relation

of these to crops production; soil moisture, the biology of the soil; maintaining and increasing soil fertility. The laboratory work will consist of field trips, soil judging, and the making of a physical analysis of a certain type of soil, in which the student is most interested. Text: Fletcher's Soils. Two hours class room and two hours laboratory period. Throughout the year.

b. Field Crops.—In this course a detailed study is made of those farm crops that are of greatest economic importance in the intermountain region; as for example, wheat, oats, alfalfa, the grasses grown for hay, also the root crops, as the beet, potato, etc. Each of these crops is considered under the head of history, cultivation, marketing, their place in a system of rotation ,etc. Text: Cereals in America (Hunt). Throughout the year.

THREMMATOLOGY.

a. Thremmatology.—In this course the principles and practices involved in the economic improvement of domesticated plants and animals are studied. Such topics as variation, causes, of variation, selection, correlation, heredity, prepotency, Mendel's law of hybrids, etc., are considered. The laboratory exercises consist of grafting, budding, crossing of strawberries, wheat, oats, etc. Text: Davenport's Principles of Breeding.

d. Scientific Agriculture.—This course is designed more especially for students of science who desire to round out their knowledge of the sciences and to get in one course a general review of the science of Agriculture in its more important bearing. It should be extremely helpful also in impressing the facts already acquired in the study of the natural sciences, by using them to explain many of the problems in scientific farming, of which the student already may have some knowledge. Open to young men and women who have had the elementary courses in science. Text and assigned readings.

BACTERIOLOGY.

f. Agricultural Bacteriology.—In this course the study of bacteria in their relation to farm practices will be considered.

Bacteria in the soil, air and water; in butter and cheese making; the fermentation of organic matter; care of the manure heap, etc. Laboratory fee, $1.00.

Lecture Course.—Beginning with the winter semester, a series of lectures will be given on agricultural subjects, by teachers in the school and by men who are leaders in the various fields of agricultural activities. These lectures will cover a wide range of subjects and will be of extreme interest and of great value, not only to the students of Agriculture but to all the students of the University. The lectures will be given at such a time that they will not conflict with the class work in other departments.

HORTICULTURE.

a. Plant Culture.—In this course the plant is studied in the various stages of development, from seed to maturity. Such topics as: the plant as a living organism, propagation, and the influence of environment, etc., are treated. Text: Principles of Plant Culture (Goff). Throughout the year.

b. Horticulture.—This is a general course, including a study of the structure, habits, and growth of cultivated plants; their modification by climate; soil and other relations; the development of cultivated plants; propagation of plants by seeds; cuttings, grafting, and budding; orchard management and small fruit culture. The splendid orchards within a short distance of the University offer great help to the student in this course. Text: American Horticultural Manual (Budd and Hensen), supplemented by bulletins. Throughout the year.

c. Pomology.—This course deals with the theory and practice of fruit growing. Such topics are considered as the selection of the orchard site with reference to exposure, soil, market, and climatic conditions; selection of varieties for home and market uses; the nursery stock; laying out and planting the orchard; care and management; picking and marketing fruit. A detailed study is made of all the leading orchard and small fruits. Texts: Principles of Fruit Growing by Bailey, and Bush Fruit, by Card. Throughout the year.

d. Economic Entomology.—The purpose in this course is to make the student acquainted with the life-history, habits, and destructive features of the injurious insects; method of combatting, and protection against infestation, receive special attention. Students also become familiar with common spraying apparatus, and methods of preparing emulsions and other mixtures used in spraying. Field trips are made for the purpose of seeing insect pests at work, and for making a collection. Text: Smith's Economic Entomology. Laboratory fee, $1.00. Throughout the year.

PLANT PATHOLOGY.

Plant Pathology.—In this course such topics as factors in disease; health and disease; cause, nature, and symptoms of disease; epidemics, etc., are considered. In the laboratory, a careful study is made of the rusts, smuts, mildews, and blights, which cause great losses in this and other sections of the United States. Text: Ward's Diseases of Plants. One hour in class room and 2 periods laboratory work. Laboratory fee, 75 cents. Throughout the year.

FORESTRY.

Forestry.—It is the aim in this course to familiarize the student with introduced and native trees of this intermountain region. Such topics are treated as trees suited for ornamental, manufacturing, and lumber purposes; the natural forest, its use and abuse; shrubs, etc. Two hours class room and one laboratory period. Fee, 75 cents. Throughout the year.

AGRICULTURAL BOTANY.

Agricultural Botany.—During the first part of the course the student will be given an insight into the structure and life processes of the common plants found on the farm; the origin and development of the plant organs and their function. During the latter part of the course, special attention will be given Throughout the year.

ANIMAL HUSBANDRY.

a. Livestock Management.—This course deals with the general principles which underlie the proper methods of feed-

ing and management of all classes of live stock. The common foods given to stock will be studied, as to their composition and nutritive value and how both are affected by maturity and curing. Calculating rations for the various classes of farm animals under various conditions. Text: The Feeding of Live Stock (Smith).

b. Study of Breeds.—This course is a detailed study of the principal types and breeds of cattle, sheep an dswine; special attention being given to those breeds which are best suited to conditions in the West. The improvement of our native stock through selection and up-grading is emphasized throughout the course. Suggestions on the formation of new breeds are also given: Text: Study of Breeds (Shaw). Supplemented by station and department bulletins.

c. Stock Judging.—During the first part of this course the various types and breeds of horses are considered, after which thorough work in stock judging both in class room and show ring will be taken up. The students will be required to use the score card and to give reason for the judgment rendered. Text: Judging Live Stock (Craig), supplemented by lectures and readings.

d. Poultry Craft.—This course is a consideration of types and breeds of poultry, especially those giving best returns in this section. The major part of the course, however, is a consideration of the care and management of laying and breeding stock, natural and artificial incubation and caring for the chicks. Those who desire it have the opportunity of conducting an up-to-date incubator for one period of incubation. Laboratory fee, 50 cents.

COLLEGE CREDIT.

Students in the Teachers' College who desire to take some of the advanced courses in Agriculture will be allowed College Credit for the following courses: Agronomy, **b, g, h, j.** Horticulture, **f, g, i.** Animal Husbandry **c, d, e,** and **g.**

Sub-High School.

Wm. H. Boyle, Principal.

The work of this school is adapted for young people below the High school grade who are somewhat advanced in years, and whose opportunities have been too limited to complete the public school curriculum as far as the eighth grade. There are no entrance requirements other than the desire to work and the determination to be a lady or a gentleman. The studies are adjusted to the needs of the students. The work is not described as seventh, eighth, or any other specific grade; it is suited to the capacity of the students, whatever that may be. Special teachers are provided to assist those who are not prepared to enter regular classes.

Grown-up young people may enter this school without feeling the chagrin that often results from mingling with younger and smaller students in the public schools. Students of the Preparatory school have the same general privileges as those in the High school. The University is noted for the absence of social distinctions among its students.

GRADE AND TEXT BOOKS.

In the main, the work of the Sub-high school will be the same as the regular seventh and eighth grade work of the public schools. The text books adopted by the state will be used.

Prospective Graduates, 1908-9.

COLLEGE.

Maud Mary Beeley, Bachelor of Arts.
Geo. F. Christensen, Bachelor of Arts.
Clarence Jacobs, Bachelor of Arts.
Sherwin Maeser, Bachelor of Arts.
Andrew T. Rasmussen, Bachelor of Arts.
Alfred A. Robinson, Bachelor of Arts.
Heber E. Robinson.
John R. Walsh, Bachelor of Arts.

NORMAL SCHOOL.

Adams, Luella,
Alleman, Lelia,
Anderson, Katie,
Baker, Wm.
Bearnson, Julius B.,
Black, Clo S.,
Bonnett, Vivien,
Call, Waldemar A.,
Calder, Mamie,
Carleton, Olive,
Carroll, C. Hardy,
Carver, Cora,
Christensen, John S.
Dorton, Flossie,
Duke, Mabel,
Duke, Anna,
Ellertson, Jesse,
Ferguson, Caroline,
Finlayson, Vivia,
Gray, Mary,
Gray, Beulah,
Harmon, Levi N., Jr.,
Hickman, James J.,
Holindrake, Ida,
Iverson, Minnie,
Jensen, Peter,
Johnson, Florence,
Kilpack, Irene,
Leetham, Kitty A.,
Lott, Hyrum,
Nielson, Sina,
Parker, Sarah,
Rigby, Samuel,
Simons, Enos,
Staker, Nellie,
Stevens, LaVern,
Thorne, Myrtle,
Wilkins, Winifred,
Wilson, Oren,
Woods, Lloyd E.,
Young, Nora E.

HIGH SCHOOL.

Baker, William,
Bearnson, Julius B..
Berg, Wyman,
Brockbank, Wells T.,
Chamberlain, Ellis,
Chipman, Florence,
Dixon, H. Aldous,
Dotson, A. Lewis,
Finch, Harold,
Gardner, Clarence S.,
Holdaway, Hugh,
Hunter, John G.,
Lott, Hyrum,
Nixon, James W., Jr.,
Pack, Eugene M.,
Straw, Milan R.,
Wootton, J. Tracey.

COMMERCIAL SCHOOL.

Jones, Thatcher C.,
Kirk, M. Horton,
Love, H. E.,
Meldrum, T. Ben,
McKell, W. E.,
Weeks, Frank H.,
Woolley, H. Walter.

MUSIC SCHOOL.

Clark, Marie,
Henry, Dora,
Hill, Anna,
Hindley, Edith.

SCHOOL OF ARTS AND TRADES.

Baxter, Hugh,
Blake, Alice T.,
Brimhall, Faun R.,
Clark, Marie,
Cox, Elvira,
Cox, Belva.
Geddes, Edna F.,
Hansen, Nellie,
Heder, Maud,
Poulson, Edwin S.,

SCHOOL OF AGRICULTURE.

Brooks, George, Jr.,
Curtis, Irvin.

Enrollment of Students.

JUNIORS.

Burns, Fanny, Pima, Ariz.
Burridge, G. T., Provo,
Buss, Fred, Provo,
Nuttall, L. J., Provo,
Rose, Henry, Provo,
Snell, H. C., Provo,
Snow, W. J., Provo,
Thurman, Archie, Provo,

SOPHOMORES.

Allen, Stephen, Nephi,
Baird, Samuel, Kanab,
Beesley, J. O., Provo,
Bearnson, J. B., Spanish Fork,
Beck, Reid, Spring City,
Borg, Kenneth, Mt. Pleasant,
Call, Waldemar, Willard,
Chamberlain, Ellis, Provo,
Christensen, J. S., Am. Fork,
Ericksen, E. W., Cleveland,
Hansen, Nellie, St.Joseph,Ariz.
Harmon, L. N., Jr., Price,
Haws, G. G., Juarez, Mexico,
Hoopes, Mae, Thatcher, Ariz.,
Jacobs, Irving, Provo.
Johnson, Flora, Sandy.
Larsen, Martin, Pl. Grove.
Luke, G. L., Beaver,
McMullin, R. W., Leeds.
Meldrum, G. G., Provo.
Miller, Elmer, Sph. Fork.
Mitchell, D. R., Am. Fork.
Nelson, Carl, Provo.
Nielson, Sina, Fairview.
Oberhansly, Henry, Provo.
Overlade, Arthur, Provo.
Peterson, J. C., Hooper.
Peterson, H. J., Hooper,
Poulson, M. O., Redmond.
Raile, Henry, Provo.
Reese, J. T., Provo.
Robinson, J. R., Coalville.
Romney, G. S., Juarez, Mexico.
Simmons, Lee, Payson.
Smith, Marcellus, Payson.
Sorenson, James, Elsinore.
Stevens, Annie D., Provo.
Tanner, Leonard, Provo.
Taylor, Eli F., Goshen.
VanBuren, F. C., Beaver.
Whitwood, E. G., Sph. Fork,
Whitaker, C. W., Kanosh.
Williams, S. W., Provo.
Woodward, H. M., Provo.

FRESHMEN.

Alleman, Ida, Springville.
Ashworth, Paul, Provo.
Bartlett, Ashley, Provo.
Beesley, Mamie, Provo.
Boyle, W. H., Provo.
Brown, Julia, Am. Fork.
Burns, Beatrice, Mt. Pleasant.
Christensen, Homer, Am.Fork.
Cummings, N. W., Independence, Mo.,

Eggertsen, B. S., Provo.
Eggertsen, S. P., Provo.
Glazier, C. W., Provo.
Gourley, David, Provo.
Harris, Lottie, Provo.
Harris, O. V., Provo.
Henry, Dora, Oasis.
Hickman, J. J., Provo.
Holdaway, Hugh, Aurora.
Jackson, E. L., Provo.
Jacob, Elmer, Provo.
Jones, T. C., Byron, Wyo.
Kirk, Horton, Pl. Grove.
Knepper, Mae, Provo.
Knudsen, Nettie, Provo.
Kuno, Henry, Tokyo, Japan.
Larsen, B. F., Monroe.
Love, H. E., Provo.
Lowry, Wallace, Price.
McKell, W. E., Sph. Fork.
McLean, Fannie, Provo.
Maiben, Olive, Provo.
Mason, Ben E., Rexburg, Ida.
Meldrum, T. B., Provo.
Miner, Paul, Springville.
Mortensen, Ada., Dublan, Mex.
Packard, B. B., Springville.
Pratt, Beth, Provo.
Rawlings, W. S., Provo.
Reid, H. L., Burlington, Wyo.
Roberts, Eugene L., Provo.
Roundy, Middie, Alton.
Saxey, Claud, Sph. Fork.
Smoot, I. A., Provo.
Snow, Pearl, Provo.
Sorenson, Vio, Provo.
Staker, Nellie, Annabella.
Tanner, Marie, Provo.
Tenney, Louise, Silver City, N. Mexico.
Van Wagenen, Hattie, Provo.
Weeks, Frank, Pl. Grove.
Wilkins, Jennie, Provo.

FOURTH YEAR HIGH SCHOOL.

Adams, Luella, Parowan...N.
Alleman, Lelia, Springville..N.
Anderson, Alice, Fairview..N.
Anderson, Katie, Fillmore..N.
Baker, Wm., St. George....N.
Baxter, Lin, Silver City .....C.
Baxter, Hugh, Pl.Grove.A.&T.
Beck, Clarence, Am.Fork H.S.
Bentley, Roy, Vernal.....N.
Berg, Wyman, Provo ....H.S.
Blake, Alice T., Provo...H.S.
Black, Clo S., Fillmore.....N.
Bonnett, Vivien, Provo.....N
Brimhall, Faun, Provo..A.&T.
Brooks, George, St. George.N.
Brockbank, W. T., Sph. Fk..N.
Calder, Mamie, Vernal.....N.
Callaway, Georgia, Provo.A.&T.
Carver, Cora, Plain City...N.
Carroll, C. H., Orderville...N.
Carleton, Olive, Provo ....N.
Chipman, Florence, Am. Fork .....A.&T.
Clayton, Margaret, Provo...N.
Cox, Edward, Orderville...M.
Cox, Elvira, Fairview...A.&T.
Cox, Belva, Fairview....A.&T.
Creer, Lue, Sph. Fork.....N.
Creer, Janie, Sph. Fork.....N.
Curtis, Irvin, Aurora .....Agr.
Dixon, H. A., Provo.....H.S.
Dorton, Flossie, Lehi .....N.
Dotson, A. L., Minersville.H.S.
Duke, Mabel, Heber .....N.
Duke, Anna, Heber .....N.
Eastmond,Bessie, Provo.A.&T
Edgel, F. J., Hoytsville.....N.
Ellertson, Jesse, Mona .....N.
Ferguson, Caroline, Lake Shore .....N.
Finch, Harold, Sph. Fork...N.
Finlayson, Vivia, Provo.....N.
Finlayson, Hazel, Provo....N.
Fullriede, Ruby, Eureka ...C.
Gardner,A.O., PineValley.Agr.
Gray, Beula, Lehi .....N.
Gray, Mary, Lehi .....N.
Harris, Hyrum, Cardston,

Canada .....H.S.
Heder, Maude, Dublan,Mexico .....A.&T.
Helm, Seth, Manassa, Colo.C.
Hindley, Edith, Am. Fork..M.
Holindrake, Ida , Am. Fork.N.
Hunter, J. G., Am. Fork...H.S.
Iverson, Minnie, Salem ....N.
Jensen, Peter, Oasis .....N.
Johnson,Florence, Pl.Grove.N.
Keeler, Karl F., Provo...H.S.
Killpack, Irene, Ferron.....N.
Kilfoyle, Fred, Manti...A.&T.
Knudsen, N. W., Provo....M.
Leetham, Kitty, Provo.....N.
Lott, Adelbert, Huntington.N.
Lott, Hyrum, Huntington ..N.
Nebeker, Myrtle, Richfield..N.
Nixon, J. W., Jr., Huntington .....H.S.
Noble,Pearl, Alpine,Ariz.A.&T.
Pack, Eugene, Kamas....H.S.
Parker, Sarah, Am. Fork...N.
Paxman, Alma, Provo.....M.
Peacock, B. J., Emery.....N.
Poulson, E.S., Pl. Grove.A.&T.
Powell, Parley, Upton..A.&T.
Richards, B. L., Fielding.Agr.
Rigby, Samuel, Fairview...N.
Simons, Enos, Payson.....N.
Smart, Orene, Provo.....N.
Spiers, Vivian, Vernal .....N.
Stevens, LaVern, Aurora...N.
Straw, M. R., Springville..H.S.
Thorne, Myrtle, Shelley, Ida.N.
Wilson, Oren, Payson....N.
Wilkins, Winifred, Provo...N.
Woods,LloydE.,Castle Dale N.
Wootton,J.Tracey, Am. Fk. H.S.
Young, Nora E., Provo....N.

THIRD YEAR HIGH SCHOOL.

A.

Allred, J., A., Spring City...C.
Andelin, Aubrey, Provo..Agr.
Anderson, Lucretia, Provo..N.
Argyle, W. R., Sph. Fork.H.S.
Argyle, H. R., Sph. Fork.H.S.
Austin, Victor, Ida. Falls.H.S.

B.

Bastian, M. G., Loa .....C.
Bee, Shirley, Provo .....C.
Bean, Jesse F., Richfield...N.
Beck, Hannah, Sph. Fork..N.
Beckstead, Frank, Provo..H.S.
Bestelmyer, Aug., Provo....C.
Billings, G. E., Provo .....C.
Billings, Florence, Jensen.H.S.
Booth, H. R., Provo ....H.S.
Boley, Elisha, Am. Fork...C.
Bown, Hazel, Fayette...A.&T.
Bown, M. L., Provo.....C.
Bowman, Claudius, Dublan, Mexico .....H.S.
Box, Lee, Payson .....C.
Bronson, Wilmer, Monticello .....N.
Bullock, Lissie, Lonetree, Wyo. .....N.

C.

Chipman, Fern, Am. Fk.A.&T.
Chipman, Elmer, Am. Fk.H.S.
Clark, Marie, Springville...M.
Clark,Herald, Farmington.H.S.
Clove, James, Provo.....H.S.
Covington,Loren, Provo.A.&T.
Cox, Ira, Fairview.....H.S.
Cox, Olive, Fairview .....N.
Craven, Percy, Provo....H.S.
Crookston,Clyde, Am. Fk..H.S.
Crosby, Jesse, Cowley, Wyo. C.
Curtis, Versa, Payson...A.&T.

D.

Davis, John S., Sph. Fork...N.
Dillman, Ray, Vernal.....H.S.
Dunn, Erma, Provo.....M.
Dusenberry, Earl, Provo.H.S.

E.

Epperson,Lawrence,Midway C.
Epperson, Emery, Midway.M.
Epperson, Amos, Midway..N.
Evans, May, Sph. Fork....N.
Evert, Anna, Provo.....A.&T.

F.

Farrer, Leland, Provo.....C.
Farrer, J. Wayne, Provo...C.
Fausett, Vera, Price .....N.
Finch, Ella, Provo .....N.
Finch, Clara, Sph. Fork.....N.
Finlayson,Lloyd, Provo.A.&T.
Finlayson, Maggie, Payson.N.
Fletcher, Milton, Provo...H.S.
Foster, G. W., Provo.....H.S.
Foutz, Alonzo Richfield...H.S.

G.

Gardner, Cecil, Thistle...H.S.
Gardner, Hazel, Thistle...H.S.
Gardner, Wm., Am. Fork...C.
Gardner, Viola, Lehi .....C.
Gardner, W. N., Hinckley...N.
Geddes, Edna, Preston, Ida.M.
George, J. M., Provo.....H.S.
Glazier, Maline, Provo.....M.
Goodrich, Lucy, Vernal ....N.
Gray,Beatrice, Pl.Grove.A.&T.

H.

Hales, Ray, Sph. Fork.....C.
Halverson, T. L., Sph. Fork.C.
Hansen, Andrew, Redmond.N.
Harrison, Parry, Pocatello, Idaho .....H.S.
Harrison,Eva, Pocatello,Ida.M.
Hardy, M. O., Provo.....C.
Harmer, Roy, Springville...C.
Harvey, Wm., Pl. Grove....C.
Hayes, Murray, Pl. Grove.H.S.
Hendrichsen, E. R., Provo..C.
Hill, R. S., Springville....Agr.
Hill, Anna, Springville.....M.
Hill, Mary, Springville .....M.
Hilton, Hugh, Abraham...H.S.
Hilton, Annie, Abraham.A.&T.
Hinckley,Minerva,Provo A.&T.
Hinckley, J. R., Provo...Agr.
Hinckley, I. P., Provo....H.S.
Hooper, Dora, Annabella...N.
Holdaway, Walter, Provo...C.
Holdaway, Etta, Aurora...N.
Homer, Theresa, Provo.....C.
Horsley, Arthur, Price.....N.
Howe, Hazel, Provo.....H.S.
Hubbard, Altha, Willard...M.
Huff, Jennie, Benjamin..A.&T.
Huish,J.Raymond, Payson Agr.
Hunt, Faun, Monroe.....N.
Hyde, Myrtle, Pocatello, Ida. .....A.&T.

I.

Iverson, Eunice, Salem ..... N.

J.

Jensen, Ida., Heber .....N.
Johnson, J. W., Huntington .....A.&T.
Johnson, Clara, Pl. Grove...N.
Jones, John W., Beaver...H.S.
Jones, Frank B., Provo.....C.
Jones, Clarence R., Byron, Wyo. ..... C.
Jones, J. Bruce, Sph. Fk..H.S.
Jones, Hanna, Sph. Fork...N.

K.

Kelley, E. M., Am. Fork...C.
Kienke, Zella, Provo...A.&T.
King, Lenore, Am. Fork....N.
Kirkham, Myrtle, Lehi..A.&T.
Knight, Ernest, Woodland ..... A.&T.
Kocherhans, W. G., Lovell, Wyo. .....C.

L.

Langston, Ella, Hinckley ..N.
Larsen, Geneva, Provo .A.&T.
Larsen, Louise, Spring City.N.
Larsen, Blanche, Preston, Ida. .....M.
Larsen, Floy, Monroe .....N.
Layton, Agnes, Thatcher, Ariz. .....A.&T.
Lemon, Elias, Marion.....C.
Lewis, Ida, Provo.....N.
Lillywhite, M. W., Morelos, Mex. .....C.
Lichfield,Eugene,Goshen A&T.
Loose, Fay, Provo .....M.
Lowe, Ellis, Willard .....H.S.

M.

McArthur,Mattie, St.George N.
McCullough, Jesse, Provo...C.
McGuire, Tessie, Heber.....N.
McMurrin, J. L., Provo.....C.
Madsen, Ernest, Provo.....C.
Martin, Thos.L., Am.Fk...H.S.
Mellor, Archie, Fayette...H.S.
Mellor, Beatrice, Eureka....M.
Mellor, Effie, Fayette.....M.
Miller, Milton, Price.....C.
Miner, Thorn, Springville.Agr.
Mitchell, Naomi, Provo.....N.
Money, A. E., Sph. Fork...C.
Morgan, Frank, Willard..H.S.
Morris,Morton, St.George H.S.
Morrison, Ira, Provo ...H.S.
Mortenson, E. B., Levan..H.S.
Mortenson, Angus, Sanford, Colo. .....C.
Morrill, Rupert, Kimberly, Idaho .....A.&T.

N.

Nelson, Leroy, Sph. Fork...N.
Nelson, Hilda, Brigham ...N.
Nelson, Maud N., Provo..H.S.
Nelson, L. R., Provo.....H.S.

O.

Olsen, Stephen, Price .....N.
Olsen, Marie, Moroni .....N.
Osterloh, Emelia, Lehi ....N.

P.

Pace, Ireta, Richardson...H.S.
Pace, A. L., Thistle .....Sp.
Pack, Dean, Kamas .....H.S.
Parker, Ida, Abraham.....N.
Parker, Melinda, Am. Fk....N.
Peacock,Gomer,Orangeville N.
Peterson, Josephine .....N.

R.

Rawson, Laura, Carey, Ida..N.
Reese, Byron, Wales.....H.S.
Richins, C. L., Vernal.....H.S.
Robb, Vesta, Price .....N.
Robinson, J. Albert, Fillmore .....H.S.
Robinson, Harold, Farmington .....C.
Rowley, Edward, Am. Fk...C.
Russell, G. O., Conejos, Colo. .....C.
Rydalch, W. N., Provo ...H.S.

S.

Scott, Verna, Provo.....N.
Schwencke, Chas., Samoa.H.S.
Schwab, D. N., Provo....H.S.
Sevy,MiltonH.,Panguitch H.S.
Simonds, Winona, Provo...N.
Smith, Nellie, Maeser .....N.
Smith, Marion, Manassa, Colo. .....C.
Snow, Nora, Pine Valley ...N.
Southwick, Edna, Provo....N.
Spafford, W. Earl, Provo..H.S.
Spiers, Clara, Vernal .....N.
Spilsbury,Ray,Toquerville H.S.
Staker, J. B., Annabella...Agr.
Starr, Mary, St. George....N.
Steed, O. F., Provo .....C.
Steele, O. W., Iona Ida,..H.S.
Stevens, J. L., Mt. Carmel..N.
Stephenson, Stephen, Levan.N
Stringham,Nora,Thurber A&T.
Strong, Lynn, Provo .....C.
Swenson, Isaac, Sph. Fork..C.

T.

Taylor,Elmina S., Provo..H.S.
Taylor, Nellie, Provo...A.&T.
Taylor, Sterling, Provo...H.S.
Taylor, Aimie, Provo ....H.S.
Tew, W. T., Jr., Mapleton..C.
Thiriot, George, Provo.....Sp.
Thompson, Bertha, Boise, Idaho ..... C.
Tippetts, J. R., Lake Shore..N.
Tobler, Ernest, Santa Clara.C.
Turner, Erma, Holden....H.S.

V.

Van Buren, Clyde, Orangeville .....N.
Vincent, George, Provo ...C.

W.

Weeks, Emma, Pl. Grove...N.
Wood, Lizzie, Bluff .....C.
Wood, Alice, Bluff .....C.
Woolley, H. W., Vernal....C.
Woolsey, Parley, Escalante ..... H.S.

Y.

Young, Willard, Vernal..... ..... C.

SECOND YEAR HIGH SCHOOL.

A.

Adams, D. W., Am. Fk. ....C.
Adams, Zola, Monticello...M.
Adams, Kisten, Bluff .....M.
Allen, Isadore, Moab ...A.&T.
Allred,Warren, Ftn.Green Agr.
Andrus, Rena L., Sph. Fork.N.
Andelin, Marian, Provo...H.S.
Anderson,Vernard, Provo.Agr.
Anderson,Alvin, Fairview.H.S.
Anderson,Hyrum, Fairview.H.S.
Anderson,Flora, Fairview.A.&T.
Anderson, J. F., Raymond, Canada .....H.S.
Anderson, Abraham, Lehi...C.
Arrington, J. W., Milford...C.

B.

Bachman, Elwood, Provo.H.S.
Baird, Effa, Kanab .....N.
Bandley, Karl, Provo .....C.
Barney, Laura, Provo.....C.
Baxter,Rachel, Silver City.A.&T.
Bee, Florence, Provo.....C.
Bean, Ross S., Provo.....Agr.
Beck, Wesley, Alpine ....H.S.
Beckstead, Violet, Provo...M.
Bird, Richard, Mapleton..H.S.
Bird, Cora, Mapleton .....C.
Bird, William, Springville.H.S.
Blake, Dora, Hinckley..A.&T.
Booth, Ralph, Nephi.....M.
Boshard, Marie, Provo.....M.
Boshard, Karl, Provo.....H.S.
Bown, Milo, Fayette.....Agr.
Bringhurst,Wm.,Springville.C.
Britt, Mae, Heber .....C.
Bullock, James, Provo...H.S.
Bunnell, L. L., Provo.....N.

C.

Camp, Jennie, Provo.....M.
Carter, Gladys, Vernal .....C.
Carter, Vera, Provo .....N.
Carter, J. A., Provo.....C.
Cassity, Leland, Provo.....C.
Cazier, Gerald, Nephi.....H.S.
Chaffin, Lawrence, Farmington .....H.S.
Cheney, Charles, Fairview..C.
Chipman, S. H., Am. Fk..H.S.
Chipman, Milton, Am. Fk. ..C.
Chipman, Bessie, Am. Fork.C.
Chipman, Myron, Am. Fk..C.
Christiansen, Russell, Mayfield .....C.
Christensen,Axel, Central Agr.
Clyde, Nora, Heber.....M.
Cook, Blanche, Provo .....N.
Colvin, Nellie, Provo.....H.S.
Collier, Clara, Vernal.....N.
Cotrel, Arminta, Clifton, Ida. .....A.&T.
Cox, Melbourne, Sph. Fork..C.
Creer, W. R., Lake Shore...C.
Crook, Clark, Heber .....Agr.
Cropper, Eda, Deseret .....N.

D.

Dahlquist, Effie, Provo ....N.
Dalby, Verney C., Levan..N.
Davis, Flora, Provo .....N.
Decker, Wayne, Provo.....C.
Dunn, Vera, Mammoth ....C.
Durnford, Niel, Evanston, Wyo. ..... H.S.
Dusenberry, Edith, Provo...C.

E.

Eastmond,Frank, Provo.A.&T.
Edwards, C. M., Gunnison..C.
Eggertsen, LoRie, Provo ...C.
Eggertsen, Doressa, Provo.N.
Eggertsen, Luther, Provo.H.S.
Ellertson, Leo, Mona .....C.
Ellertson, Hazel, Mona .....C.
Ellsworth, Ronald, Provo.H.S.
Esplin, Alma, Orderville..Agr.
Esplin,Homer, Orderville.Agr.
Eskelson, Earl, Lexington, Ore. .....Agr.
Evans, Effie, Provo .....C.

F.

Farrer, Mary, Provo.....C.
Farrer, Merton, Provo.....C.
Farrer, Maud, Provo....A.&T.
Foster, Ruth, Provo .....C.
Fowler, Esther, Provo..A.&T.
Fullmer, Ina, Circleville....M.

G.

Gardner, Ethel, Payson ....C.
Gardner,Arthur, Pine Valley C.
Gardner, Missia, Pine Valley .....A.&T.
Gardner, Eugene, Salem....N.
Gerber, Irvin, Maeser ....H.S.
Gibbs, Henry, Provo.....C.
Giles, Beula, Provo.....C.
Goddard, Etta, Provo...A.&T.
Graham, Archie, LaGrande, Ore. .....C.
Greenwood, L.D., Central.Agr.
Greenwell, E. E., Ogden..H.S.

H.

Hafen,Delia, Springville A.&T.
Halls, Frank, Mancos, Colo. ..... Agr.
Hall, Mabel, Provo.....N.
Halliday,Kate, Pl.Grove A.&T.
Hansen, Hannah, Fairview, ... A.&T.
Hansen, Pearl, St. Joseph, Ariz. .....A.&T.
Harris, Barry, Cardston, Canada ..... H.S.
Harding, Cleon, Provo ...Agr.
Harding, Vera, Provo ....H.S.
Harmer, Lida, Provo.....H.S.
Harvey, Ora, Pl. Grove.....N.
Hatch, H.J., Franklin,Ida. H.S.
Hathenbruck, Madeline, Provo .....H.S.
Henrie, Florence, Provo...M.
Henrie, Arthur, Provo.....M.
Henderson, Helen, Gilmer, Texas .....C.
Hendrix,Philo,Lund,Nev. H.S.
Hendrix, Roy, Lund, Nev. H.S.
Hendrix,Gideon,Lund,Nev. H.S.
Hendrix,E.A.,Lund,Nev.. H.S.
Hess,Marion,Farmington H.S.
Hilton, Eugene, Abraham.H.S.
Hinckley, Josie, Provo...H.S.
Hinckley,Robert H.,Provo H.S.
Holdaway, Edna, Provo.....C.
Holdaway,Jennie,Provo A.&T.
Homer, Edith, Provo ...A.&T.
Hone, Myrtle, Provo.....C.
Houston, Wallace, Panguitch .....H.S.
Hughes, Ra Rene K., Sph. Fork .....N.

J.

Jackson, Ava, Oasis .....N.
Jenson, John, Black Diamond, Wash. .....C.
Jerman, Alonzo, Provo...H.S.
Johnson, Jos., Springville...C.
Johnson, Frank, Provo...H.S.
Johnson, Edw., Benjamin.H.S.
Johnson, Susie, Kanab..A.&T.
Johnson, Ethel, Elsinore ...N.
Johnson, Don, Sp. City...H.S.
Jones, Lewis, Provo .....C.
Jones, Lael, Provo .....H.S.
Judd, J. W., St. George.....C.

K.

Kartchner, Ellora, Provo.H.S.
Kimball, J. G., Jr., Salt Lake City ... .H.S.
Knight, S. L., Hinckley ..Agr.
Knight, Iona, Provo .....H.S.
Knowlden, Lucile, Provo..H.S.
Knudsen, Vilate, Provo.A.&T.

L.

Lambert, Olive, Kamas.A.&T.
Langlois, Geneva, Marion, Idaho ..... N.
Larsen, Valentine, Mt. Pleasant .....A.&T.
Lauritzen, Tana, Richfield ..... A.&T.
Lewis, Bertha, Provo.....H.S.
Lewis, Cora, Sph. Fork.....C.
Lowe, Thos. C., Monroe..H.S.

M.

McAllister, Richard, St. George .....C.
McAllister, Maleta, Kanab.M.
McCune,E.J., Butte,Mont. H.S.
McDonald, G. F., Mesa, Ariz. .....Agr.
McDonald,Hazel,Kanab A.&T.
McGuire, Preston, Heber...N.
Magleby, Hope, Monroe....N.
Mangum, Amy, Provo ...H.S.
Martin, Myra, Scipio .....N.
Mathews, Lewis, Provo...H.S.
Memmott, Alton, Scipio.A.&T.
Miller, H. N., Am. Fork..H.S.
Miller, Zella, Provo.....N.
Miller, Maggie, Sph. Fork..N.
Milner, Fayne, Raymond, Canada .....C.
Mortenson, J. W., Levan.Agr.

N.

Nelson, Verne, Provo....H.S.
Nelson, Sterling, Provo.....C.
Nelson, Asael, Provo.....M.
Newren, Leon, Scofield.....C.
Nicholes, Ray, Am. Fork.H.S.
Nielson, P.A., La Jara, Colo.C.
Nielson, Barta, Leamington .....A.&T.
Nielson, Ethel, Bluff....A.&T.
Nixon, Olive, Huntington..M.

O.

Oakley,Blanche, Springville M.
Oberhansly, Minnie, Provo.M.
Odekirk, Ray, Redmond...H.S.

P.

Pack, Ethel, Provo.....A.&T.
Parker, Bartle, Am. Fork..C.
Paxman, Delos, Provo.....C.
Pearson,Herschel, Draper.H.S.
Perry, Alvin, Provo.....H.S.
Peterson, Ray, Redmond.H.S.
Pond, J. M., Thatcher, Ida.H.S.
Probert, Karl, Provo....A.&T.
Pyne, Rachel, Provo .....H.S.

R.

Raile, Samuel, Provo.....H.S.
Ralphs, J. C., Ferron....H.S.
Rasmussen, Mary, Provo....C.
Redd, Carlie, Bluff .....A.&T.
Redd, Charles, Bluff .....Agr.
Richards, Claude, Carey, Idaho .....H.S.
Ritchie, J. D., Plain City....N.
Robinson, Rosetta, Eureka..C.
Ross, Leah, Springville.....C.
Roundy, Nellie, Provo..A.&T.
Roylance, Mart, Provo...H.S.
Roylance, L. M., Springville.C.
Russell, R.M., Conejos, Colo.C.

S.

Sainsbury, Otto, Fielding.H.S.
Scott, Inez, Provo.....N.
Scott, Fern, Provo.....N.
Seabury, Wilmer, Payson...C.
Secrist, Ethlyn, Farmington.M.
Seeley, D. W., Sterling, Canada .....C.
Sharp, Roseta, Provo.....H.S.
Shelley, Mary, Shelley, Idaho .....A.&T.
Skouson, D. P., Raymond, Canada .....H.S.
Smith, LaVird, Elsinore....N.
Smith, A. E., Manassa, Colo. .....A.&T.
Smith, Don C., Snowflake, Ariz. .....A.&T.
Smith, David, Fillmore.....M.
Smith, Ethel, Thurber...A.&T.
Snow, Emma, Teasdale.A.&T.
Snow, Arletta, Provo....A.&T.
Southwick, Lawrence, Provo ..... H.S.
Spendlove, James, Provo...N.
Spilsbury, D. L., Toquerville.....H.S.
Staheli, Wm., Stanta Clara.M.
Stevens, Clara, Holden.....N.
Storrs, J. B., Am. Fork...H.S.
Stucke,Harmon,Santa Clara N.
Sward, Ola, Provo.....C.
Swenson, J.L.,Sph. Fork.A.&T.
Symes, J. H., Provo.....C.

T.

Tanner, Nettie, Payson ....N.
Taylor, Ethel, Payson..A.&T.
Taylor, Zina, Goshen.....N.
Taylor, Heber R., Provo.H.S.
Terry, Roselee, Provo...A.&T.
Tenney, Grace, Silver City, New Mexico .....H.S.
Thomas, Clarice, Provo.....C.
Thomas, Hazel Heber .....N.
Thomas, J. F., Provo.....H.S.

V.

Vance, Dora, Provo.....M.
Vest, Eva, Mona .....C.
Vincent, Leon, Provo....H.S.

W.

Walker, W. R., Oak City...N.
Walton,C.H., Taber,Cana. H.S.
Watkins, Emma, Provo ....C.
Webb, Ray, Monroe .....H.S.
Whiting,Oscar, Mapleton H.S.
Whiting, Martin, Mapleton.N.
Whitley, Myron, Pl. Grove..C.
Wilkins, Louie, Provo.....C.
Williams. Jean, Provo.....N.

Y.

Young, Kimball, Provo..... ..... H.S.

FIRST YEAR HIGH SCHOOL.

A.

Ackroyd, Smith, Magrath, Canada .....H.S.
Adams, J. Ernest, Bluff..Agr.
Adams.Albert.Monticello Agr.
Allred, Vay, Sp. City.....N.
Anderson, Edda, Springville .....A.&T.
Anderson, G. Elmer, Lake

Shore .....H.S.
Anderson, Phoebe, Lake Shore .....A.&T.
Anderson, Katie, Ftn. Green.C.
Anderson,Zora,Annabella A.&T.
Anderson, Lyda, Ftn.Green.N.
Anderson, Ellen, Lake Shore .....N.
Anderson, Elverda, Leamington .....M.
Anderson, Eva, Springville .....A.&T.
Anderson, Ira, Provo...A.&T.
Anderson, Johanna, Provo..N.
Anderson, Mary, Levan ....N.
Anderson, Einar, Grantsville .....H.S.
Anderson, Walter, Sph. Fk..C.
Anderson, Florence, Annabella .....A.&T.
Anderson, Elmira, Idaho Falls, Idaho .....A.&T.
Anderson, Earl O., Mayfield .....H.S.
Anderson, Mida B., Provo..Sp.
Ashby, Austin, Holden...Agr.
Ashworth, Viola, Provo.A.&T.

B.

Baird, B. Y., Kanab ...A.&T.
Baird, Vina, Kanab ....A.&T.
Bartholomew, Ray, Fayette .....C.
Bartholomew, Delta, Fayette ..... C.
Bassett, Katherine, Provo.H.S.
Bean, Lee, Provo .....Agr.
Bean, Elfie, Provo.....N.
Bean, Clarence, Provo....H.S.
Beck, Vern, Am. Fork ...Agr.
Beck, H. C., Am. Fork...H.S.
Beck, Leo, Centerfield ....N.
Beck, Daniel, Centerfield..H.S.
Bennion, Ashley, Vernal....C.
Bestelmyer, Kate, Provo..H.S.
Billings, A. H., Provo....Agr.
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